

CMSImport PRO

User manual

Version 2.5



1	INTRODUCTION	4
2	INSTALLATION.....	5
3	IMPORT CONTENT	6
3.1	Introduction	6
3.2	Select Datasource Type	6
3.3	Select datasource	7
3.4	Select destination and document type	10
3.5	Create mapping	11
3.6	Confirm	13
3.7	Import.....	13
3.8	Save Import steps.....	14
3.9	Create a child definition	15
3.10	End result.....	16
4	IMPORT MEMBERS.....	18
4.1	Introduction	18
4.2	Select Datasource Type	18
4.3	Select Datasource	18
4.4	Select member type and role.....	20
4.5	Create Mapping	21
4.6	Confirm	21
4.7	Import.....	22
4.8	Save Import steps.....	23
5	RELATED MEDIA IMPORT.....	24
5.1	Rich text editor.....	25
5.2	Media picker	26
5.3	Multi Node Tree Picker (MNTP)	26
5.4	Digibiz Advanced Media Picker	27
5.5	Upload field.....	27
6	LOOKUPS	29
6.1	Configuration	29
6.2	Mapping	29
7	SCHEDULE IMPORTS	30
7.1	Scheduled task log	31
8	IMPORT DASHBOARD.....	32
9	SETTINGS	33
9.1	Login credential settings.....	33
9.2	Scheduler result settings	33
9.3	Media settings.....	33
9.4	Data adapters	Fout! Bladwijzer niet gedefinieerd.

9.5	Configure Import Dashboard	35
10	EXTEND CMSIMPORT.....	36
10.1	Setting up Visual Studio	36
10.2	What's in CMSImport.extensions	36
10.3	Samples.....	38
10.4	Create a DataAdapter for Product Categories	39
10.5	Create a DataAdapter for Products.	42
10.6	Using a FieldAdapter to map text values against a Dropdownlist DataType	43
11	MANUAL INSTALLATION/CONFIGURATION	45
11.1	Manual installation of files	45
11.2	Manual configuration of Database.....	45
11.3	Manual configuration of the language files.....	47
11.4	Manual configuration of the scheduled task handler	47
12	TROUBLESHOOTING	49
12.1	I don't see the CMSImport package in my developer section	49
12.2	I don't see my column names when importing from a CSV file.	49
12.3	I get weird column names when importing from a CSV file.....	49
12.4	I get an error not supported error when using access or excel files.....	49
12.5	Email is not send when importing a member	49
12.6	I get an Invalid License exception.	49

1 Introduction

CMSImport PRO helps you import content or members from any datasource into Umbraco. The following datasources are supported by default¹:

- Access Database
- BlogML
- CSV
- Excel File
- RSS Feed
- SQL Server
- WordPress
- XML

CMSImport PRO allows you to save wizard steps so you can run the import later or even schedule it for a certain date and time. When you re-run an import already existing records will be updated and only new records will be added. When media is imported references in content or member data will be updated automatically.

And best of all with CMSImport Pro it's possible to import complete content structures also! This allows you to import a complete product catalog (Categories and Products), blogposts + comments, or any structure you want to import.

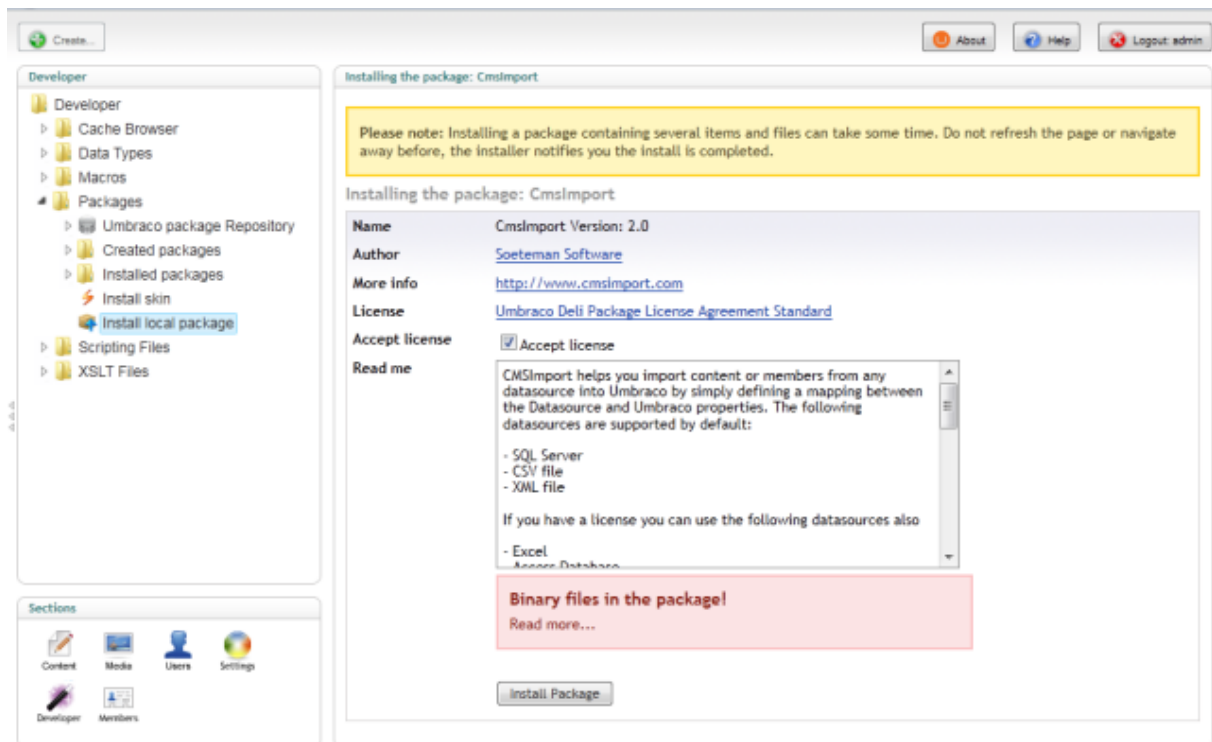
CMSImport PRO is optimized for **uBlogsy**, **Blog4Umbraco**, **TeaCommerce** and **Uwebshop**.

This document describes PRO features only. The free edition is limited in functionality.

¹ Access Datasource requires you to install an extra driver from Microsoft

2 Installation

Install the CMSImport PRO package using the Umbraco package installer.



Make sure that the installer has modify rights on the following folders:

- /bin
- /config
- /umbraco

The installer also needs rights to create tables in the database.

If for some reason you can't give the installer these rights, you can install the package manually. Read the chapter manual configuration how to do this.

Once the package is installed you have an extra folder in your developer section called CMSImport. You might need a page refresh, or even logout and in again to see this folder.

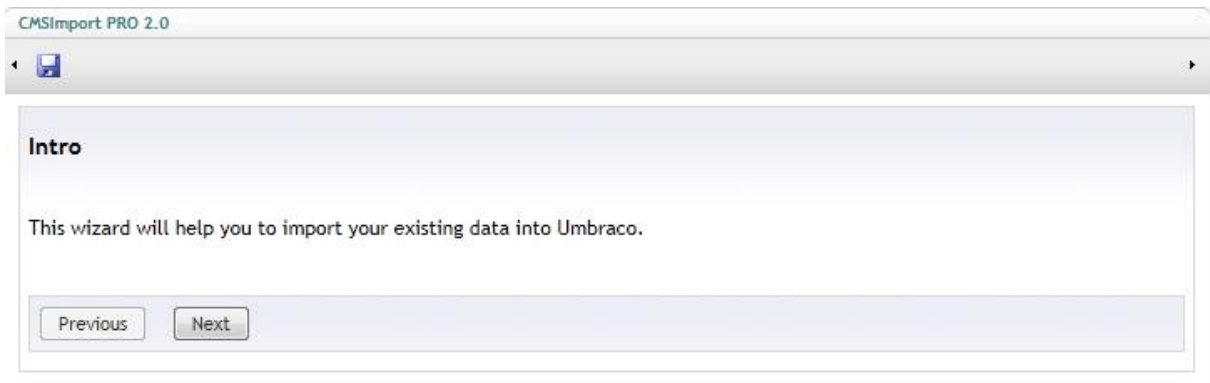
When you want to use the PRO functionality add the license file to the bin folder of your Umbraco install.

3 Import Content

You can go to the developer section, open CMSImport and select Start Import. The following wizard will open.

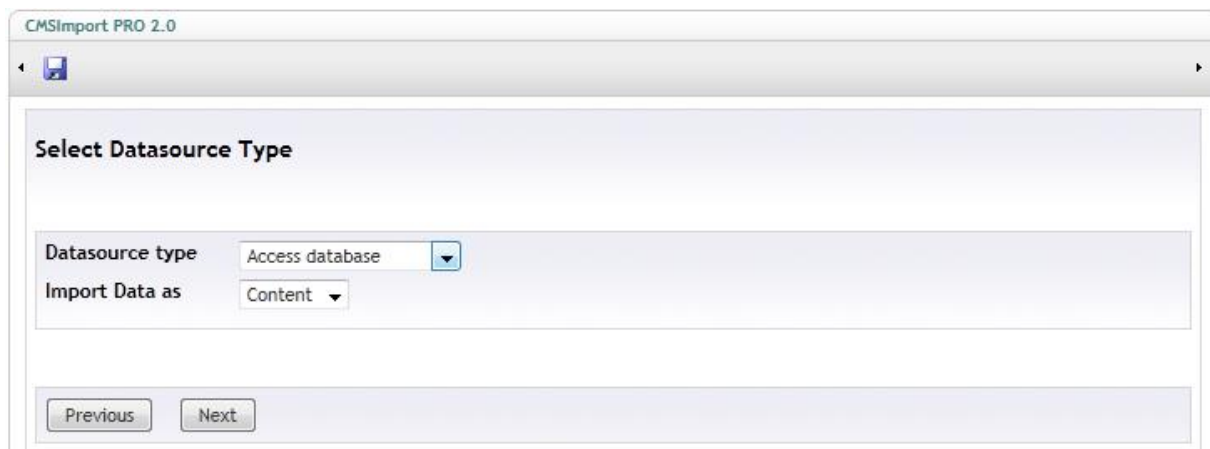
3.1 Introduction

When the wizard starts it will start with an introduction.



3.2 Select Datasource Type

In this step you are asked to specify a datasource type and how the data should be imported (content/members).



The following datasource types are supported by default²:

- Access database
- BlogML
- CSV
- Excel File
- RSS Feed
- SQL Server
- WordPress
- XML

² BlogML, WordPress and RSS feed require that you install additional packages containing the Data adapters. Access file requires you to install an extra driver from Microsoft.

It is possible to create extra datasource types. See chapter extend CMSImport for more information.

3.3 Select datasource

In the select datasource step you need to provide the information for the selected datasource Type.

3.3.1 SQL Server

In case of SQL server you need to provide the Connection string and the query that you want to use to retrieve the data.

The screenshot shows the 'Select Datasource' window in CMSImport PRO 1.1. The window has a title bar with the application name and a standard icon. Below the title bar, the text 'Select Datasource' is displayed. The main area contains two input fields: 'Enter a Connection String' with the value 'XPRESS;database=TestData;user id=...;password=...' and 'Enter your Query' with the value 'Select * from TestData'. At the bottom, there are two buttons: 'Previous' and 'Next'.

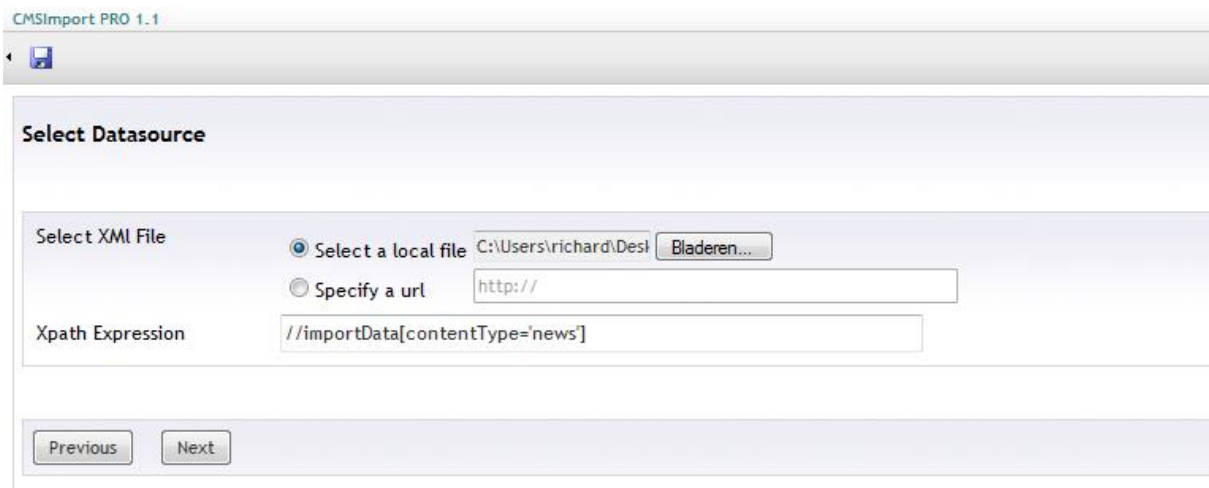
3.3.2 CSV File

In case of a CSV file you need to select a CSV File. You also need to provide the field separator and text indicator. A field separator is the character that is used to separate the columns. The text indicator is a character that indicates a text string. The default settings are based on an export from Microsoft Excel.

The screenshot shows the 'Select Datasource' window in CMSImport PRO 1.1 for a CSV file. The window has a title bar with the application name and a standard icon. Below the title bar, the text 'Select Datasource' is displayed. The main area contains a message 'The csv file must contain unique headers'. Below this, there are two radio buttons: 'Select a local file' and 'Specify a url'. The 'Specify a url' option is selected, and the URL 'http://umbracov4.local/data/testdata.csv' is entered in the adjacent text box. Below the URL, there are two dropdown menus: 'Field Separator' and 'Text Indicator'. The 'Text Indicator' dropdown is open, showing options: 'No separator', 'No separator', and 'No separator'. At the bottom, there are two buttons: 'Previous' and 'Next'.

3.3.3 XML File

In case of an XML file you need to select the xml file. Optional you can specify an xpath expression.

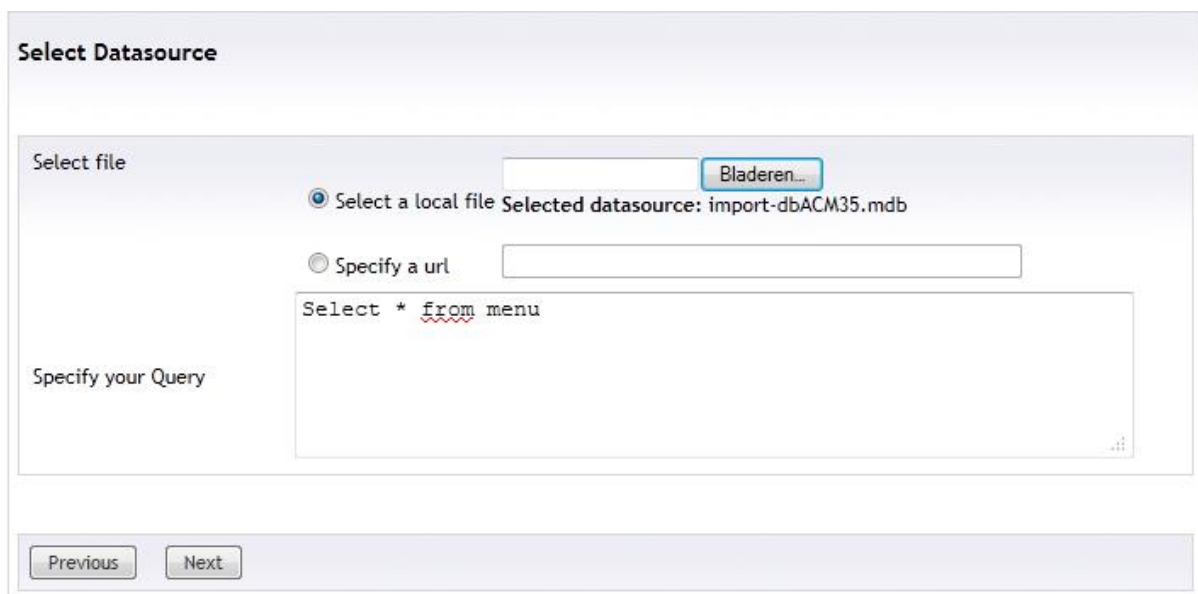


The screenshot shows the 'Select Datasource' dialog box in CMSImport PRO 1.1. It has a title bar with the application name and a close button. The main area is titled 'Select Datasource'. Under 'Select XML File', there are two radio buttons: 'Select a local file' (selected) and 'Specify a url'. The 'Select a local file' option has a text field containing 'C:\Users\richard\Desl' and a 'Bladeren...' button. The 'Specify a url' option has a text field containing 'http://'. Below these is a text field for 'Xpath Expression' containing '//importData[contentType='news']'. At the bottom are 'Previous' and 'Next' buttons.

When using xml you can only use elements, attributes are not supported at the moment. All elements that you want to map later must be under the first child node of the xml document.

3.3.4 Access database

In case of an access database you can upload a mdb file, or point to a location and you can specify the query to execute



The screenshot shows the 'Select Datasource' dialog box in CMSImport PRO 1.1. It has a title bar with the application name and a close button. The main area is titled 'Select Datasource'. Under 'Select file', there are two radio buttons: 'Select a local file' (selected) and 'Specify a url'. The 'Select a local file' option has a text field containing 'Selected datasource: import-dbACM35.mdb' and a 'Bladeren...' button. The 'Specify a url' option has a text field. Below these is a text area for 'Specify your Query' containing 'Select * from menu'. At the bottom are 'Previous' and 'Next' buttons.

3.3.5 Excel

In case of an Excel sheet you can upload a xls(x) file, or point to a location. When you **click next** you can select the worksheet from the pull-down menu

The screenshot shows the 'Select Datasource' dialog box. It has two main sections. The first section, 'Select file', contains a text input field, a 'Bladeren...' button, and two radio buttons. The first radio button, 'Select a local file', is selected, and the text 'Selected datasource: Products.xlsx' is displayed next to it. The second radio button is 'Specify a url', followed by an empty text input field. The second section, 'Select a worksheet', contains a dropdown menu with 'ProductCategories' selected. A dropdown list is open, showing 'ProductCategories', 'Products', and 'ProductVariant'. At the bottom, there are 'Previous' and 'Next' buttons.

3.3.6 RSS Feed

In case of an rss file you can point to a location, or upload an rss file.

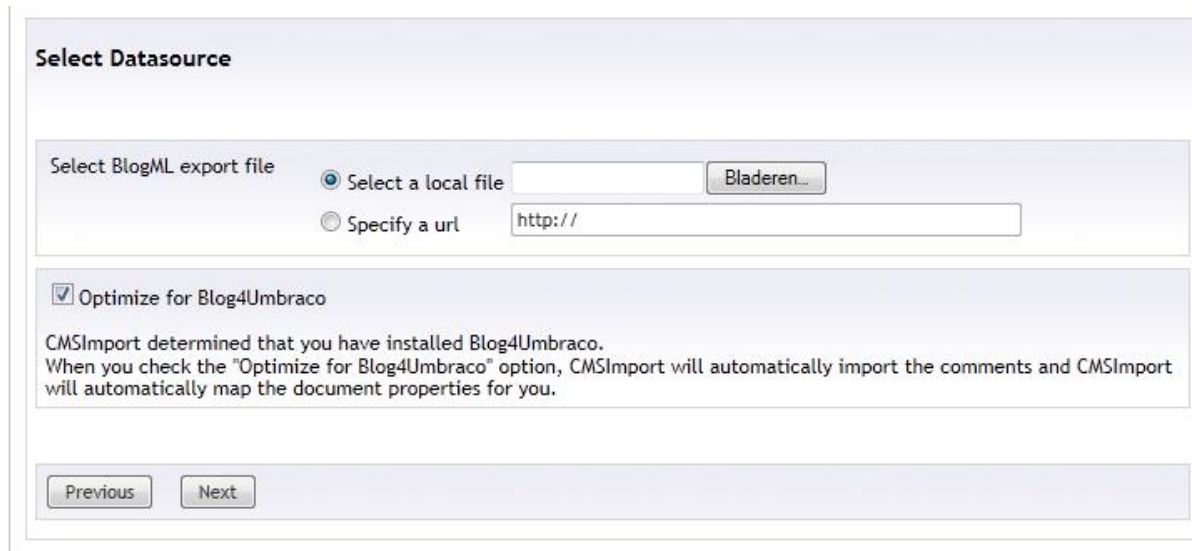
The screenshot shows the 'Select Datasource' dialog box for an RSS file. It has a section 'Select a rss file' with two radio buttons. The first radio button is 'Select a local file', followed by a text input field and a 'Bladeren...' button. The second radio button, 'Specify a url', is selected, and the text '/www.richardsoeteman.net/SyndicationService.aspx/GetRss' is entered in the text input field. At the bottom, there are 'Previous' and 'Next' buttons.

RSS feed requires install of the. **CMSImport.DataAdapters.RSS** package file.

3.3.7 BlogML

In case of BlogML you can upload a BlogML file, or point to a location. The BlogML Data adapters allow you to import authors, categories, tags, posts and comments. When you have uBlogsy, Blog4Umbraco or the Blog starterkit installed you can specify that you want to optimize for either uBlogsy /Blog4Umbraco/Blog starter kit. When you enable that option CMSImport will automatically create the correct mapping also.

BlogML requires install of the **CMSImport.DataAdapters.BlogML** package file.



Select Datasource

Select BlogML export file

☒ Select a local file Bladeren...

☐ Specify a url

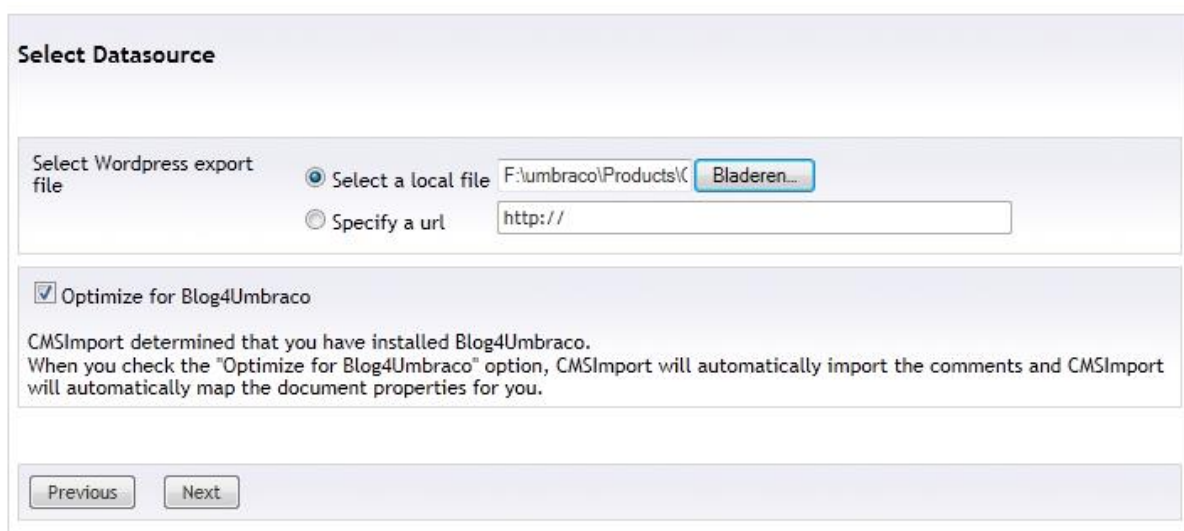
☒ Optimize for Blog4Umbraco

CMSImport determined that you have installed Blog4Umbraco.
When you check the "Optimize for Blog4Umbraco" option, CMSImport will automatically import the comments and CMSImport will automatically map the document properties for you.

3.3.8 WordPress

In case of Wordpress you can upload a Wordpress file, or point to a location. The Wordpress data adapters allow you to import authors, categories, tags, posts, pages and comments. When you have uBlogsy, Blog4Umbraco or the Blog starterkit installed you can specify that you want to optimize for either uBlogsy /Blog4Umbraco/Blog starter kit. When you enable that option CMSImport will automatically create the correct mapping also.

Don't select this option when you just want to import the blogposts and blogcomments based on an Umbraco documenttype .



Select Datasource

Select Wordpress export file

☒ Select a local file F:\umbraco\Products\K Bladeren...

☐ Specify a url

☒ Optimize for Blog4Umbraco

CMSImport determined that you have installed Blog4Umbraco.
When you check the "Optimize for Blog4Umbraco" option, CMSImport will automatically import the comments and CMSImport will automatically map the document properties for you.

Wordpress requires install of the **CMSImport.DataAdapters.Wordpress** package file.

3.4 Select destination and document type

In this step you need to specify the location where you want to store the imported documents. This is prefilled if you started the import from the context menu in content. You can also specify the

document type and you select the auto publish checkbox, when checked items are published automatically.

The “When the item already exists” and the primary key option are needed for content updates. With the “When the item already exists” option you specify what to do when an item is already imported. Possible options are skip and update record. With the primary key you specify the key in the datasource. This field will be used to determine if an item is already imported.

To disable content updates uncheck the “Enable content updates” option. **Only do this when you don't have a primary key in your datasource.** No relation between imported data and Umbraco document is stored so even when you run the import for the second time data will be imported as new records.

CMSImport can maintain the structure for you when you import content. This is normally be done using parent/child import definitions but sometimes you import content with a recursive foreign key to itself, for example when you import Product categories as in the example below. Some categories have a relation to a parent category. By selecting the recursive import option you can specify the key to its parent, in this case ParentProductcategoryID.

Select Destination and DocumentType

Location: Product Catalog [Delete](#) [Choose...](#)

DocumentType: ProductCategory

Auto publish: ☒

Enable content updates: ☒
Only uncheck this option when you don't have a primary key in your datasource.

When the record already exists: Update record

Select primary key in datasource: ProductCategoryID

Enable recursive imports: ☒

Select foreign key for recursive import: ParentProductCategoryID

[Previous](#) [Next](#)

Some of the options might be disabled, or you might have a few extra options when run this step as a child import. See section structured import for more information

3.5 Create mapping

In this step you can specify the mapping between the fields from the data source and the properties of the Umbraco document type.

Quick tip:

When your fieldnames from the datasource are the same as the alias of the document property CMSImport will automatically map this field.

When you click on the green plus sign you can set advanced settings for that particular datatype. It should be at least possible to specify a default value for each datatype. Below you see the advanced settings for a datetime datatype.

Create Mapping

Generic Properties

Name	<input type="text" value="Name"/>	
Publish at	<input type="text" value="--ignore--"/>	
Unpublish at	<input type="text" value="--ignore--"/>	
Create Date	<input type="text" value="--ignore--"/>	

Date format

Preview: 10/06/2011 13:30

Default value

[Clear Date](#)

Document property	Database column
-------------------	-----------------

Every datatype has its own options. Using CMSImport PRO it's also possible to import media related to content the only requirement is that media is stored in the root of the website. Whenever you map against a media picker or rich text editor screen it's possible for you to specify a media location and it's even possible to specify a default value;

See chapter "Related media import" for more information.

Create Date	--ignore--	+
Document property		
ProductNumber <small>Alias: productNumber Tab: ProductInfo</small>	productCode	+
Color <small>Alias: color Tab: ProductInfo</small>	--ignore--	+
ListPrice <small>Alias: listPrice Tab: ProductInfo</small>	ListPrice	+
Tags <small>Alias: tags Tab: ProductInfo</small>	--ignore--	+
Product Image <small>Alias: productImage Tab: ProductInfo</small>	imagefileName	✖
<div>Media location</div> <div>Import Delete Choose...</div> <div>Default value</div> <div>Choose...</div>		

3.6 Confirm

In this step you can validate the selected options one more time. When you click next the import will start.

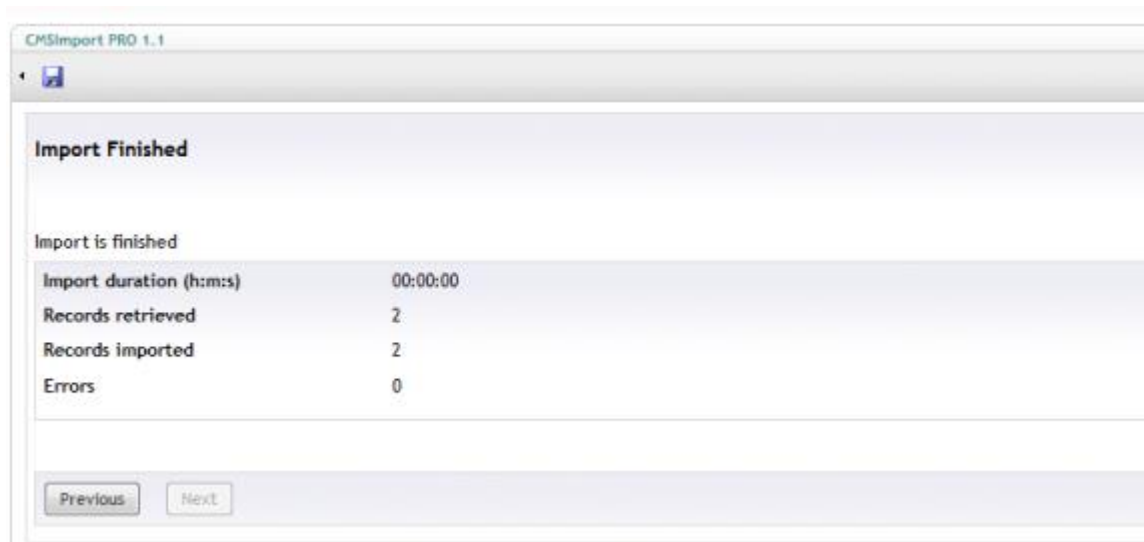
Confirm

Please validate your input and press Next to import the data.

DataSource Type	Excel file
Datasource	Provider=Microsoft.ACE.OLEDB.12.0;Data Source=F:\sites\UmbracoV45PRO\data\import\56953205-1edc-4121-9960-ec58105de06b_Products.xlsx;Extended Properties="Excel 12.0 Xml;HDR=YES";
Data command	ProductCategories\$
Data Options	
Document location	Product Catalog
Document Type	ProductCategory
Autopublish	True
Content update options	
Action when the item already exists	Update record
Primary key	ProductCategoryID
Enable recursive imports	True
Foreign key for	ParentProductCategoryID

3.7 Import

When you click next in this step the import starts. When the import is finished it will report what it did. If there were any errors it will also report the errors.

**Quick tip:**

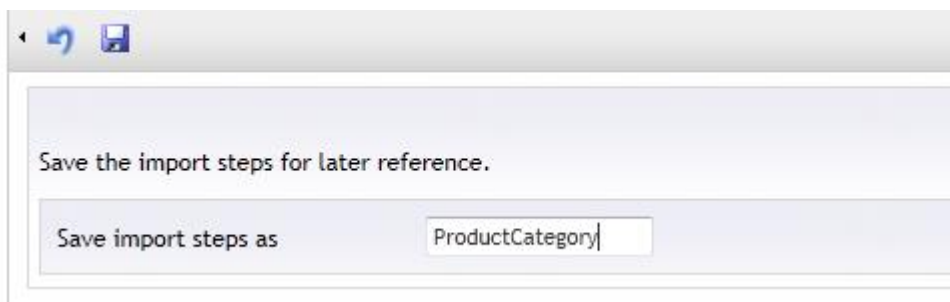
In case of test imports it might be useful to install the Content Maintenance Dashboard package also to bulk publish/unpublish and delete content nodes.

You can download the package via:

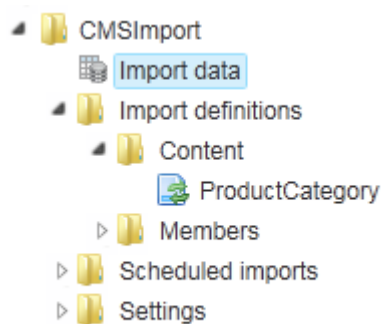
<http://our.umbraco.org/projects/developer-tools/content-maintenance-dashboard-package>

3.8 Save Import steps



When you click save, you can specify a name and when hitting the save button again the import steps are saved for later use.



Saved imports are stored as Import definitions and can be found in the Import definitions tree.

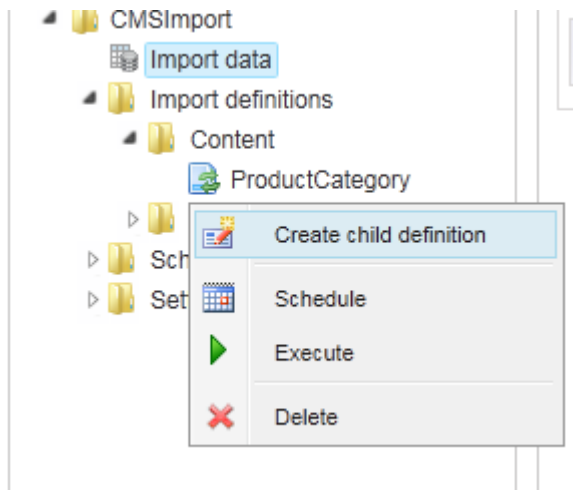


Possible icons for saved content items

-  Standard import definition
-  Recursive import definition

3.9 Create a child definition

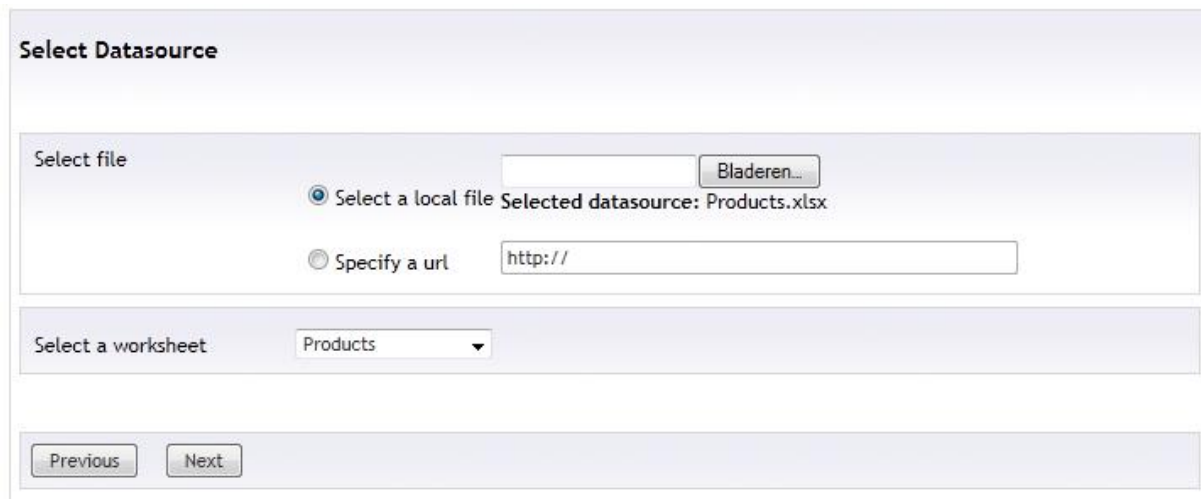
When you want to use structured imports its possible to create a child definition. In the previous example we were importing Product categories. Now we can import products for those categories. Right click on the parent definition (in this case ProductCategory) and select **Create child definition**



This will start the import wizard again, with a few small changes.

3.9.1 Select datasource

When selecting the same datasource type as the parent it will automatically select the same datasource as its parent.

A screenshot of the 'Select Datasource' dialog box. It has a title bar 'Select Datasource'. Below the title bar, there are two sections. The first section is 'Select file' and contains two radio buttons: 'Select a local file' (which is selected) and 'Specify a url'. To the right of the 'Select a local file' radio button is a text field containing 'Products.xlsx' and a button labeled 'Bladeren...'. To the right of the 'Specify a url' radio button is a text field containing 'http://'. The second section is 'Select a worksheet' and contains a dropdown menu with 'Products' selected. At the bottom of the dialog box are two buttons: 'Previous' and 'Next'.

3.9.2 Specify content import options

When you set the content import options you don't need to specify the location since that will be determined based on the parent record. Instead you specify the **parent relation key**. In this case we want to add a relation based on category id so we specify ProductCategoryId as the relation. All other steps are the same.

Select Destination and DocumentType

DocumentType

Product

Auto publish

☐

Enable content updates

☒

Only uncheck this option when you don't have a primary key in your datasource.

When the record already exists

Update record

Select primary key in datasource

productID

Select parent relation key

ProductCategoryID

Select the column which is related to the primary key of the parent Import

Enable recursive imports

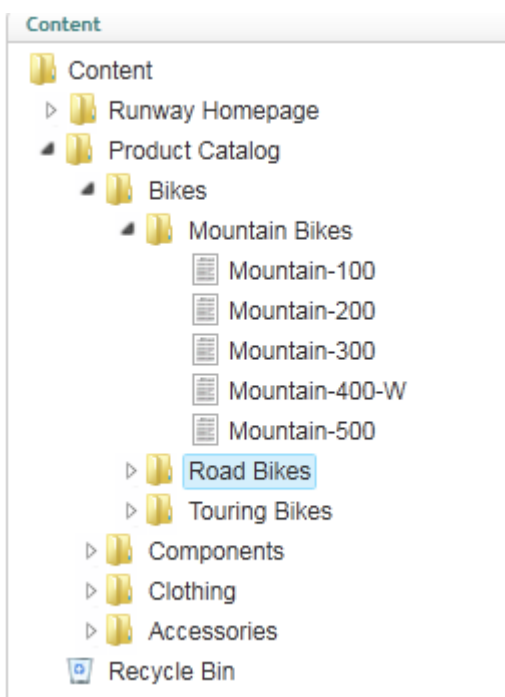
☐

Previous

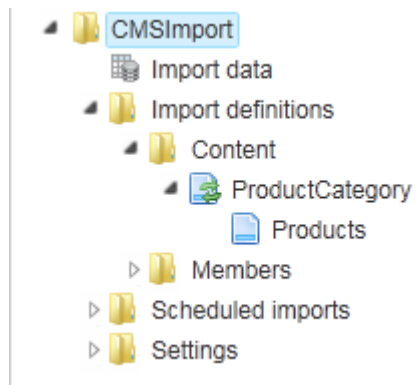
Next

3.10 End result

When importing these two definitions the content tree is filled with categories and products.



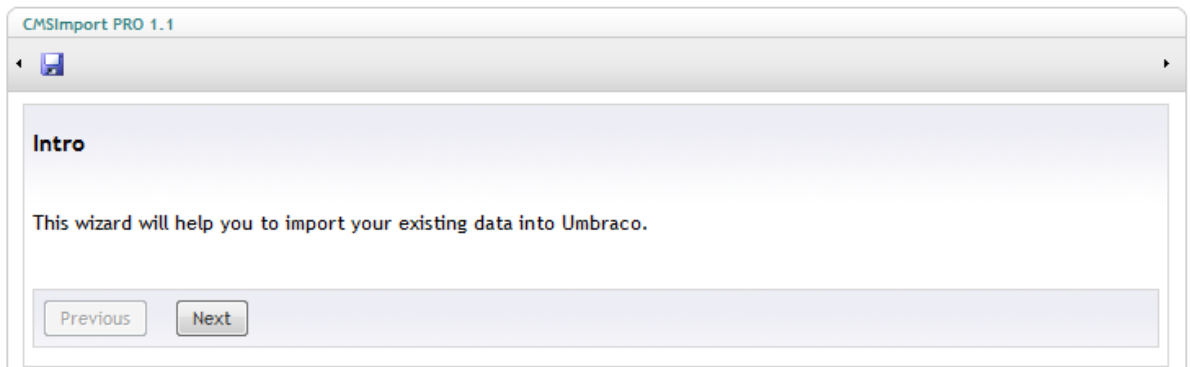
The import definition tree contains two items ProductCategory and Products as the child import definition



4 Import members

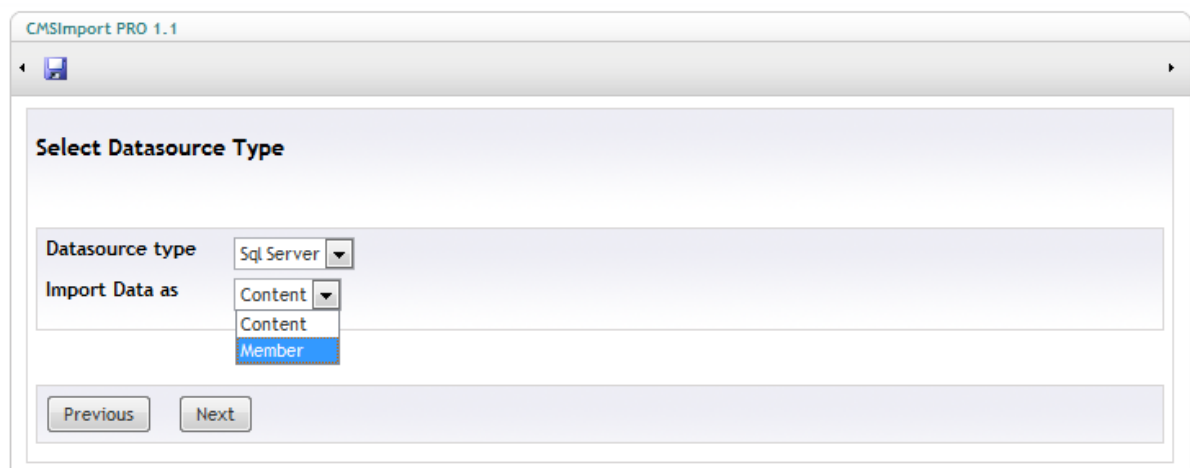
4.1 Introduction

When the wizard starts it will start with an introduction



4.2 Select Datasource Type

In this step you are asked to specify a datasource type and how the data should be imported (content/members).



The following datasource types are supported by default:

- Access database
- CSV
- Excel File
- SQL Server
- XML

It is possible to create extra Datasource Types. See chapter extend CMSImport for more information.

4.3 Select Datasource

In the select Datasource step you need to provide the information for the selected datasource type.

4.3.1 SQL Server

In case of SQL server you need to provide the Connection string and the query that you want to use to retrieve the data.

The screenshot shows the 'Select Datasource' window in CMSImport PRO 1.1. It has a title bar with the application name and a standard Windows window control set. The main area is titled 'Select Datasource'. Below the title, there are two input fields: 'Enter a Connection String' and 'Enter your Query'. The 'Enter a Connection String' field contains the text 'XPRESS;database=AdventureWorksLT;'. The 'Enter your Query' field contains the text 'SELECT * FROM [SalesLT].[Customer]'. At the bottom of the window, there are two buttons: 'Previous' and 'Next'.

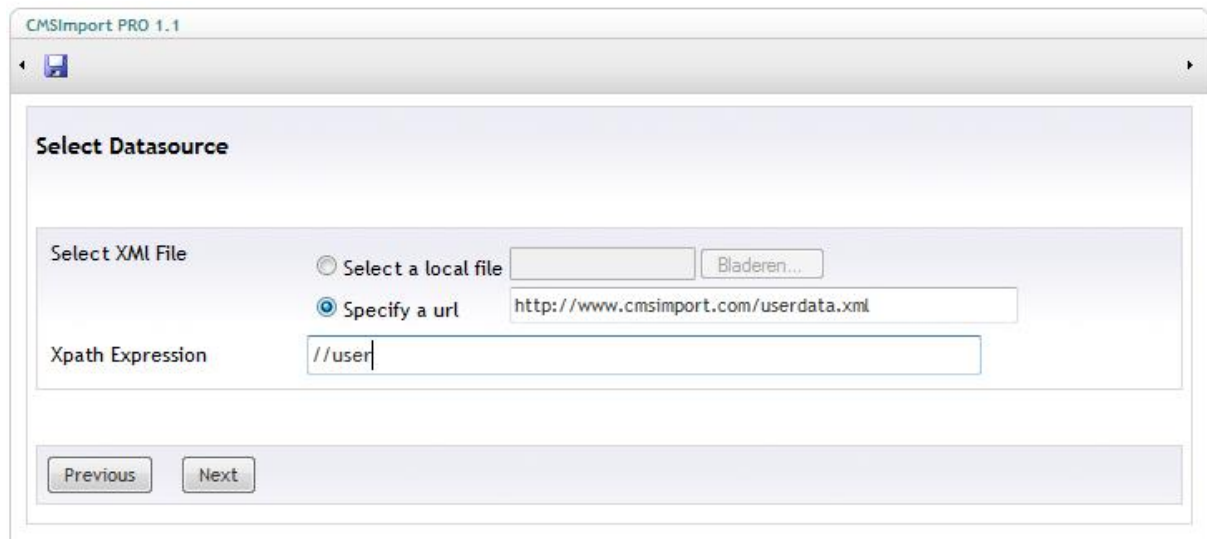
4.3.2 CSV File

In case of a CSV file you need to select a CSV file. You also need to provide the field separator and Text Indicator. A field separator is the character that is used to separate the columns. The text indicator is a character that indicates a text string. The default settings are based on an export from Microsoft Excel.

The screenshot shows the 'Select Datasource' window in CMSImport PRO 1.1 for a CSV file. The title bar and window controls are the same as the previous screenshot. The main area is titled 'Select Datasource'. Below the title, there is a message: 'The csv file must contain unique headers'. Below this message, there are two radio buttons: 'Select a local file' (which is selected) and 'Specify a url'. The 'Select a local file' option has a text field containing 'C:\Users\richard\Dest' and a button labeled 'Bladeren...'. The 'Specify a url' option has a text field containing 'http://'. Below these options, there are two dropdown menus: 'Field Separator' (set to ';') and 'Text Indicator' (set to 'No separator'). At the bottom of the window, there are two buttons: 'Previous' and 'Next'.

4.3.3 XML File

In case of an XML file you need to select the xml File. Optional you can specify an xpath expression.



Select Datasource

Select XML File

☐ Select a local file Bladeren...

☒ Specify a url

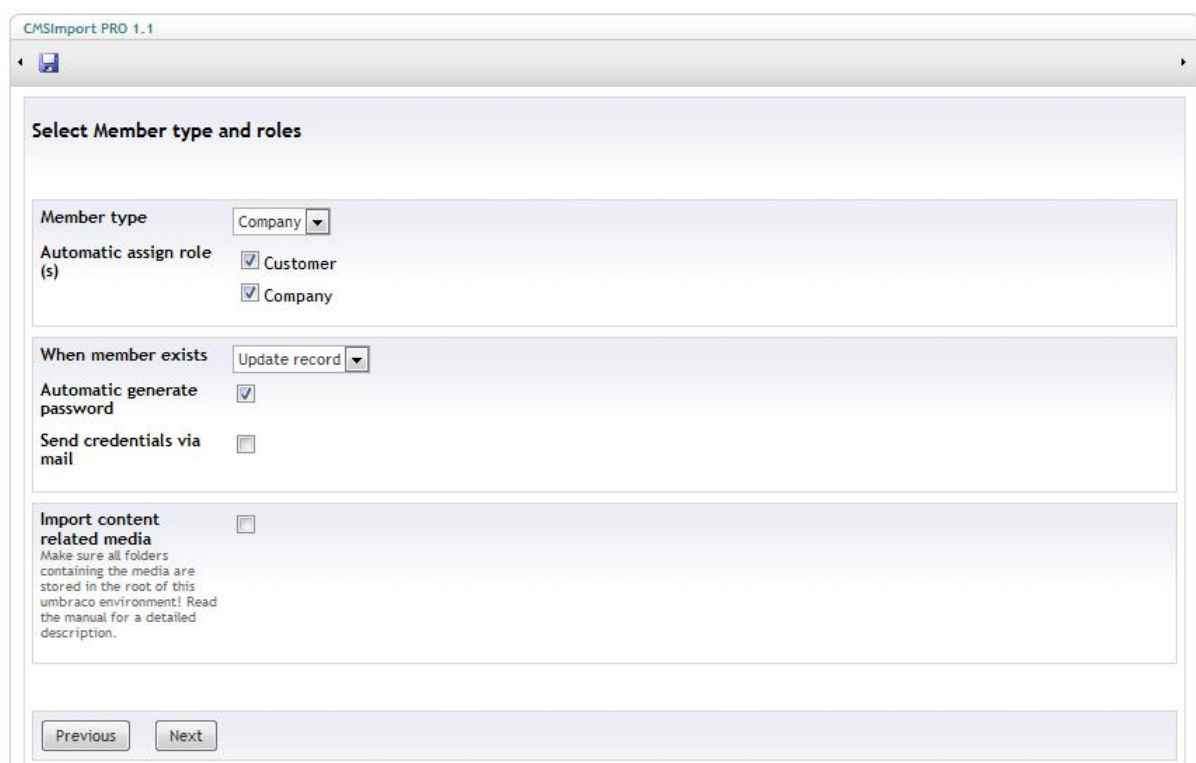
Xpath Expression

When using xml you can only use elements, attributes are not supported at the moment. All elements that you want to map later must be under the first child node of the xml document.

4.4 Select member type and role

In this step you can select the member type and assign one or more roles. With the “When the item already exists” option you specify what to do when an item is already imported. Possible options are skip and update record.

When the “Automatic generate password” option is checked a password is automatically generated for the imported member. When the “Send credentials via mail” is checked an email with login credentials is send to the imported member. You can edit the email template , check chapter settings on how to do this.



Select Member type and roles

Member type

Automatic assign role(s)

☒ Customer

☒ Company

When member exists

Automatic generate password ☒

Send credentials via mail ☐

Import content related media ☐

Make sure all folders containing the media are stored in the root of this umbraco environment! Read the manual for a detailed description.

4.5 Create Mapping

In this step you can specify the mapping between the fields from the data source and the properties of the Umbraco member type.

When you click on the green plus sign you can set advanced settings for that particular datatype. It should be at least possible to specify a default value for each datatype.

Create Mapping

Generic Properties

Member name	name	+
Member login	email	+
Member email	email	+

Document property

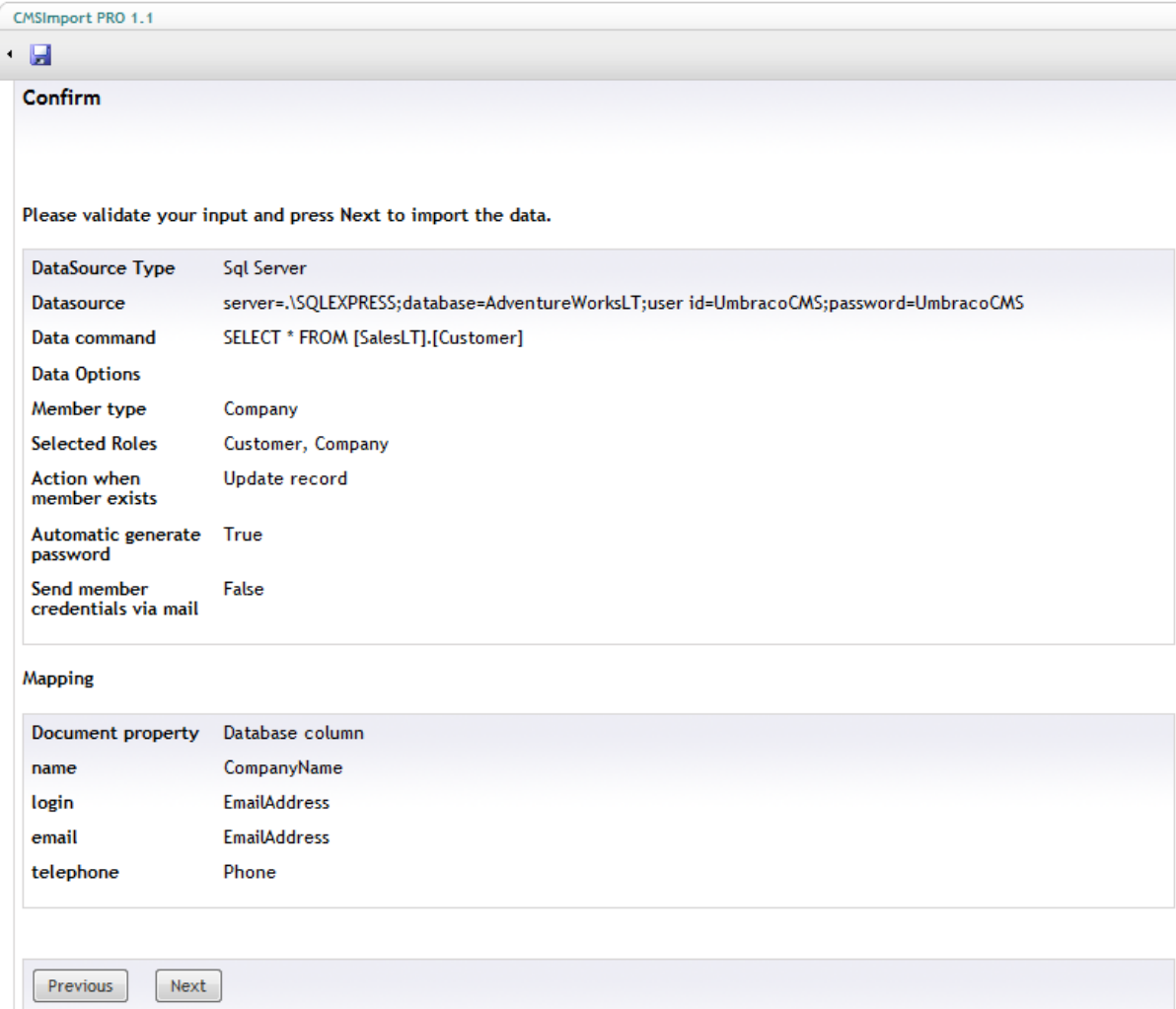
Department Alias: department Tab: Properties	Afdeling	+
Country Alias: country Tab: Properties	Country	+

Quick tip:

When your fieldnames from the datasource are the same as the alias of the document property CMSImport will automatically map this field.

4.6 Confirm

In this step you can validate the selected options one more time. When you click next the import will start.



Confirm

Please validate your input and press Next to import the data.

Data Source Type	Sql Server
Datasource	server=.\SQLEXPRESS;database=AdventureWorksLT;user id=UmbracoCMS;password=UmbracoCMS
Data command	SELECT * FROM [SalesLT].[Customer]
Data Options	
Member type	Company
Selected Roles	Customer, Company
Action when member exists	Update record
Automatic generate password	True
Send member credentials via mail	False

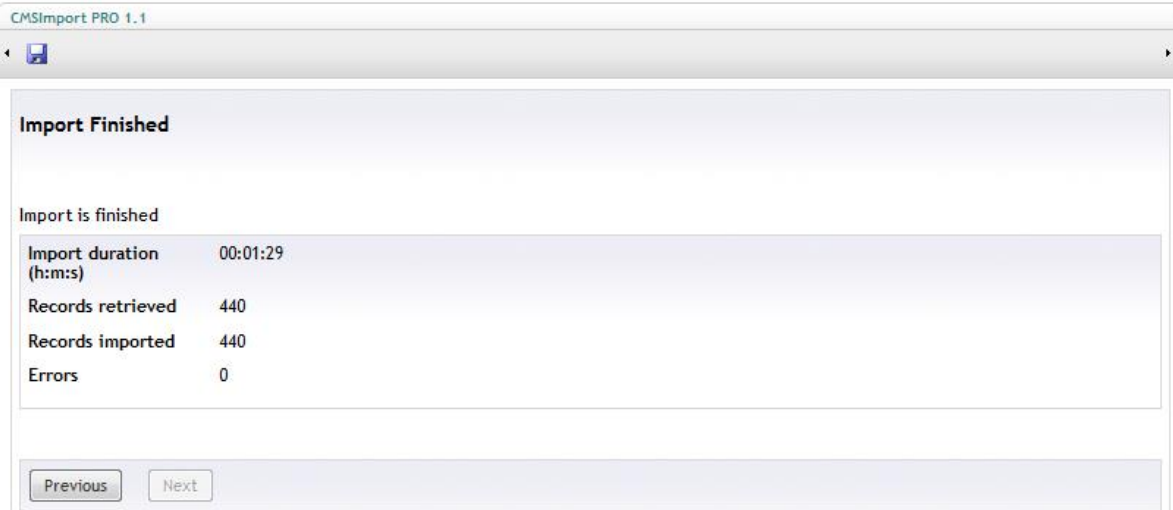
Mapping

Document property	Database column
name	CompanyName
login	EmailAddress
email	EmailAddress
telephone	Phone

Previous Next

4.7 Import

When you click next in this step the import starts. When the import is finished it will report what it did. If there were any errors it will also report the errors.



Import Finished

Import is finished

Import duration (h:m:s)	00:01:29
Records retrieved	440
Records imported	440
Errors	0

Previous Next

4.8 Save Import steps

When you click save, you can specify a name and when hitting the save button again the import steps are saved for later use.



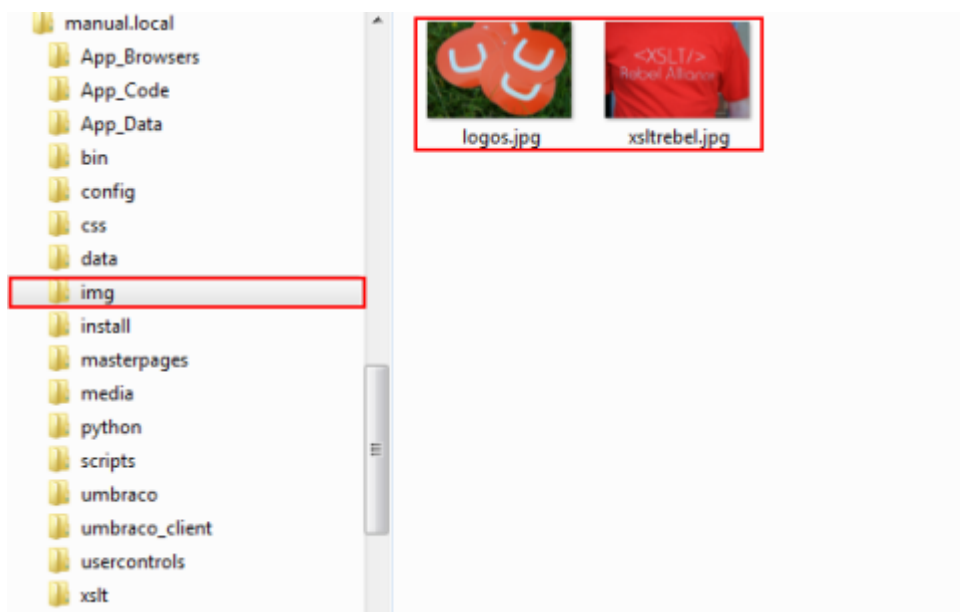
5 Related media import

CMSImport can import media also. This isn't a separate import process but integrated in content or media import. When CMSImport finds a reference to a relative path it will try to get the item and convert it to a media item, or store it in the media folder in case of an upload field.

The only required thing is that the original media folder is copied to the root of your Umbraco folder.

When the relative path in the datasource is a folder CMSImport will import the complete folder and assign the folder id to the mediapicker when assigning a folder is possible with the datatype.

In the example below the img folder of the original site containing two images is stored in the Umbraco root.



In the Import wizard you can specify that you want to import media items also. Check the option “Import content related media” on the advanced setting of the property

Create Mapping

Generic Properties

Name	--ignore--	+
Publish at	--ignore--	+
Unpublish at	--ignore--	+
Create Date	--ignore--	+

Document property	Database column
Body Text Alias: bodyText Tab: Content	--ignore-- 1
Hide in navigation Alias: umbracoNavHide Tab: Properties	--ignore--
Download Alias: mediaPicker Tab: Content	--ignore-- 2
Upload Alias: upload Tab: Content	--ignore-- 3

Previous Next

5.1 Rich text editor

When you map against a Richtext datatype you can specify the import options as shown below. When a reference to an image is found in the content, CMSImport will create a media Item and update the image source to the new Media item.

Document property	Database column
Body Text Alias: bodyText Tab: Content	--ignore-- ✖

Import Images?

By enabling Image import, images stored with a relative url will be imported automatically into Umbraco and the reference will be updated. Make sure all folders containing the images are stored in the root of this umbraco environment! Read the manual for a detailed description.

☒ Enable Image import

Select image location

Import [Delete](#) [Choose...](#)

Import files?

By enabling Image import, images stored with a relative url will be imported automatically into Umbraco and the reference will be updated. The following extensions are supported: .doc, .docx, .pdf, .ppt, .pptx, .rar, .xls, .xlsx, .zip

You can add/remove extensions in the settings folder of CMSImport. Make sure all folders containing the files are stored in the root of this umbraco environment! Read the manual for a detailed description.

☒ Enable file import

Select file location

Import [Delete](#) [Choose...](#)

5.2 Media picker

When you map against a mediapicker datatype you can specify the import options as shown below and CMSImport will create a media item and store the Id of the media item .

Download
Alias:mediaPicker
Tab:Content

Image

Media location
Import [Delete](#) [Choose...](#)

Default value
Public file [Delete](#) [Choose...](#)

5.3 Multi Node Tree Picker (MNTTP)

When you map against the Multi Node Tree Picker you can specify the import options as shown below and CMSImport will create a media item and store the Id of the media item. **Only datatypes configured for Media can be used.**

MediaMntp
Alias:mediaMntp
Tab:Content

Image

Media stored with a relative url will be imported automatically into Umbraco and the reference will be updated. Make sure all folders containing the images are stored in the root of this umbraco environment! Read the manual for a detailed description.

Use a comma separated string of images if you want to assign more than 1 image example: img/image1,img/image2

Media location
Specify a location where to store the imported media items
img [Delete](#) [Choose...](#)

Default value
Pick a default media item that will be used in case the assigned value is null
no_image_available_small [Delete](#) [Choose...](#)

When the import process is finished you'll see that the media items are imported



TIP Using the MNTTP datatype you can specify a comma separated list of images you want to import.

5.4 Digibiz Advanced Media Picker

When you map against the Digibiz Advanced Media Picker (DAMP)³ you can specify the import options as shown below and CMSImport will create a media item and store the Id of the media item. **Only the default Image and File media types are supported.**

DAMP Classic
Alias: dampClassic
Tab: Photos

Image ✖

Media stored with a relative url will be imported automatically into Umbraco and the reference will be updated. Make sure all folders containing the images are stored in the root of this umbraco environment! Read the manual for a detailed description.

Use a comma separated string of images if you want to assign more than 1 image example: img/image1,img/image2

Media location
Specify a location where to store the imported media items

Public [Delete](#) [Choose...](#)

Default value
Pick a default media item that will be used in case the assigned value is null

[Choose...](#)

When the import process is finished you'll see that the media items are imported

DAMP Classic [Choose...](#) [Create...](#)


[xsltirebel](#) [Edit](#) [Open](#) [Pixlr](#) [Remove](#)


[logos](#) [Edit](#) [Open](#) [Pixlr](#) [Remove](#)

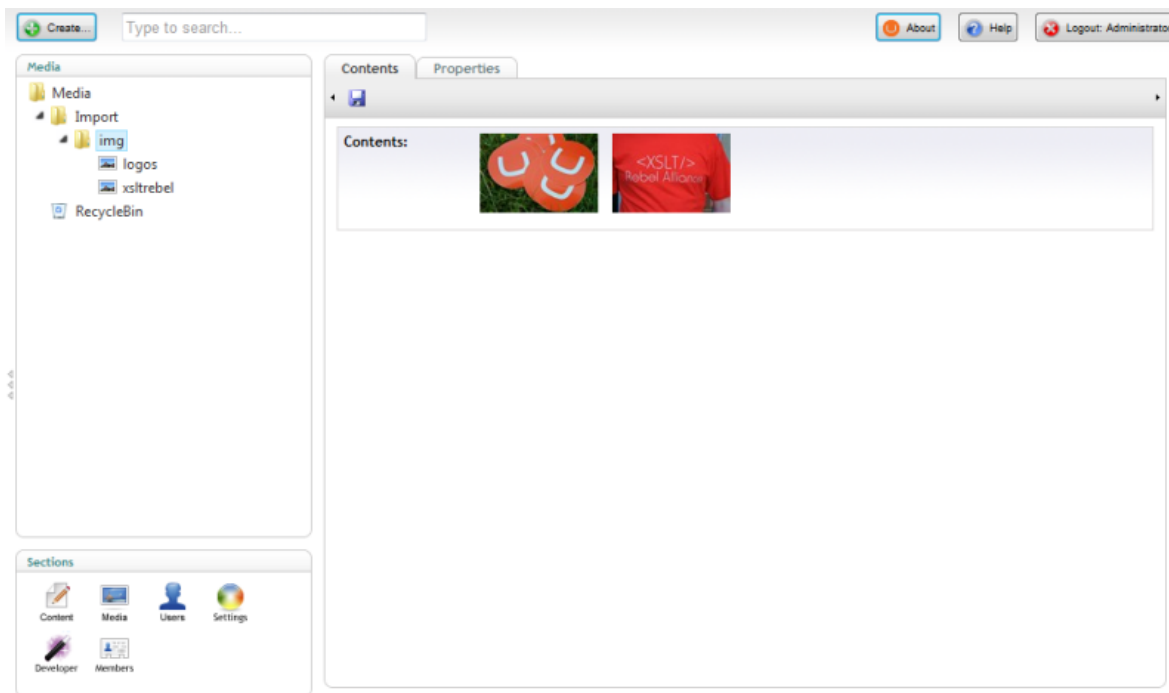
TIP Using the DAMP V2 datatype you can specify a comma separated list of images you want to import.

5.5 Upload field

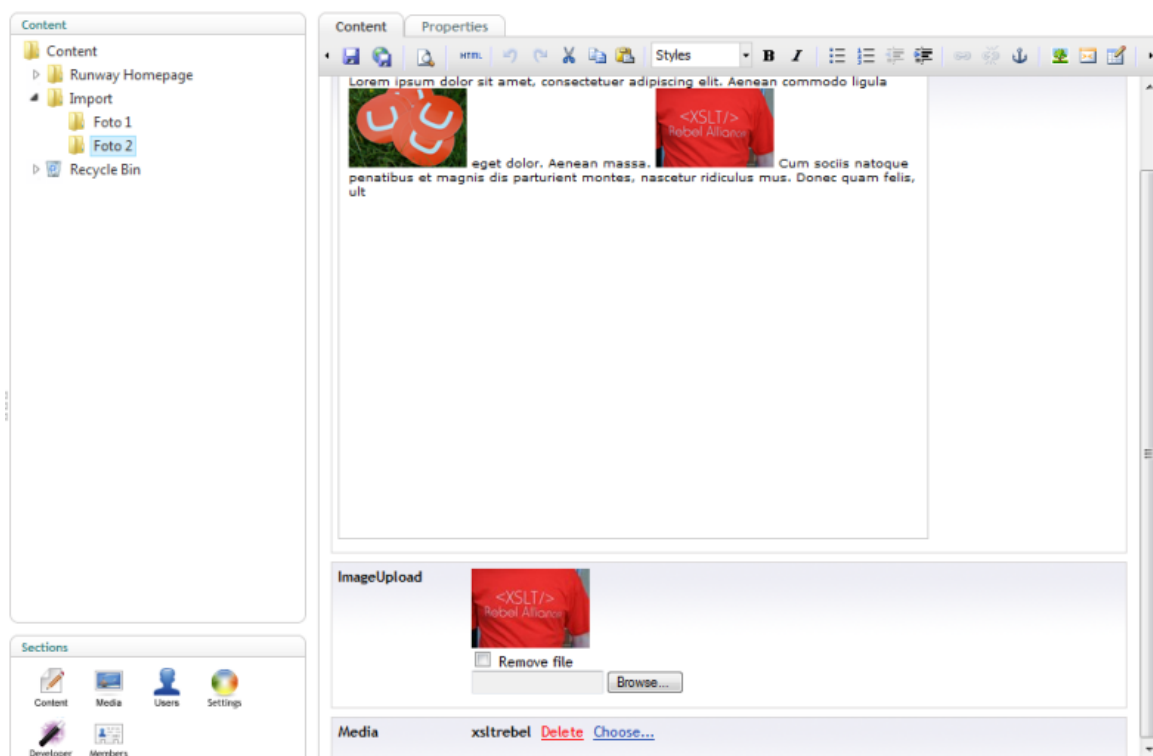
When an image (could also be a file) reference is mapped against an upload field. CMSImport will store the image in the Umbraco Media folder and update the reference in the Upload field

When the import process is finished you'll see that the media items are imported

³ Damp version 2.x **only**



And when you open an imported item in the content section you'll see that all the references are updated to the imported media items



Currently this import process will work for the following datatypes:

- Upload field
- Media Picker
- TinyMCE
- Multi Node Tree Picker (Media only)
- DAMP Version 2.0

6 Lookups

CMSImport support content lookups for Multi Node Tree picker values.

6.1 Configuration

CMSImport uses the datatype configuration to determine where to look for the nodes.

The screenshot shows the 'Edit datatype: [uBlogsy] [MNTP] Label Picker' configuration window. It includes fields for Name, Property editor (Multi-Node Tree Picker), and Property editor GUID. The Settings section has options for Select tree type (Content), Node selection type (XPath Expression), XPath type (Global), XPath expression (//uBlogsyContainerLabel), XPath filter type (Disable), and XPath filter.

6.2 Mapping

Based on the configuration it will look for nodes that it can map against the assigned value. In the image below we import categories.

1. The available Labels
2. The MNTP Datatype.

For this record the datasource value contains “Azure, Umbraco”

The screenshot shows the record editing interface. On the left is a tree view of labels and categories. The main area has a 'Post Date' field, a 'Tags' section with 'sql azure' and 'Umbraco' entered, and a 'Categories' section with 'Azure' and 'Umbraco' selected from a list.

CMSImport will try to map the values based on Id, or NodeName. In case the value cannot be found the value will be ignored.

7 Schedule Imports

With CMSImport it's possible to run imports for on a certain day/time. When you right click on a saved import item (content/member) and click schedule the following screen will show up.

CMSImport PRO 1.1

Saved import name CMSImport manual

Scheduled task name Daily import records for CMSImport manual

Notify emailaddress manual@cmsimport.com

Run task as Administrator

Execute every

☒ Week
☐ Day
☐ Hour

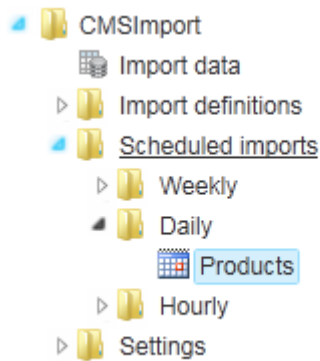
Days

☐ Monday
☐ Tuesday
☐ Wednesday
☐ Thursday
☐ Friday
☐ Saturday
☐ Sunday

Time 0 : 0

You can schedule imports to run every week on certain days/time, every day on a certain time or every hour.

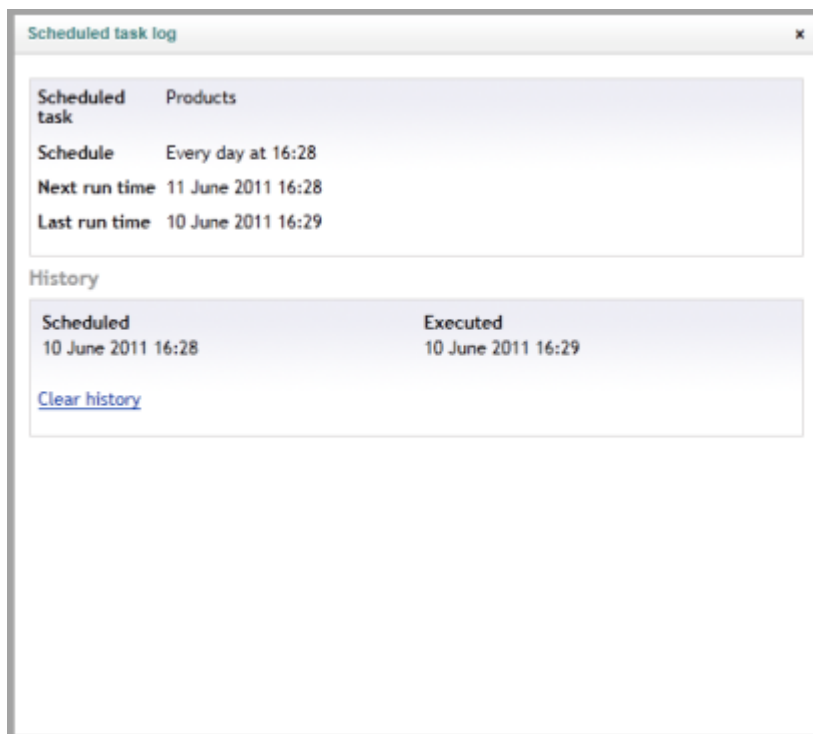
You can specify an email address to receive a notification when the import is finished and you can specify a user that will be assigned as creator for imported documents/members. When you click save the item will run on the selected day/time.



When the import is finished you will receive a notification email on the specified email address.

7.1 Scheduled task log

When you right click on a scheduled task you can view when the task did execute. As you already can see in the image below the scheduled time can be a little different from the real executed time. This can be caused by the website not being up at the given time. The scheduler will always execute the task when the site is back up and did not run the task. This dialog gives some insight when that happened.



8 Import Dashboard

Using the Import Dashboard you can allow content editors to upload data and media items(optional)without giving the user access to the Developer section. This is ideal when you want your users to upload a new product catalog, or member information. The user can't modify the import definition using this Dashboard, **only upload data**.

The screenshot shows the CMSImport Import Dashboard. On the left is a sidebar with a 'Content' section containing 'Simple website', 'Blog', and 'Recycle Bin'. Below it is a 'Sections' section with icons for 'Content', 'Media', 'Users', 'Settings', 'Developer', 'Members', and 'Shop'. The main area has a top navigation bar with 'Get Started', 'Last Edits', 'Change Password', 'Import Data', 'Comments', and 'Blog'. The 'Import Data' tab is active. The main content area has a heading 'Import content or members into Umbraco using this simple tool.' followed by a list of instructions: 'Select what you want to import', 'Upload the file you want to import', 'Optional upload a zipfile with the media you want to import', and 'Select Import and wait until the import is finished.' Below this is a dropdown menu 'What do you want to import?' with 'ProductCatalog' selected, marked with a red '1'. Then there are two file upload fields: 'Upload data file' with a 'Bladeren...' button marked with a red '2', and 'Upload media file' with a 'Bladeren...' button marked with a red '3'. At the bottom is an 'Import' button.

1. The user can select an import definition(saved in the CMSImport tree) to import. Only Import definitions that are enabled to import from the Dashboard can be selected. If there is only one import definition that can be selected this option will not be shown on the form
2. Using this upload field Users can upload their data file.
3. When the import definition allows the import of media, a separate upload field for a media file will be shown. The user can zip their folder with media that needs to be imported and use this upload field to import their media

When the datasource is uploaded CMSImport will first inspect if the datasource is still correct. Then it will import data.

See settings chapter how to configure the Import dashboard

9 Settings

Here you can modify the following settings

9.1 Login credential settings

These settings will be used when an email with login credentials is send to an imported member.

You can specify:

- The from email address
- The email subject
- The email body

In the email body you can use the following placeholders that will be replaced with real values when sending the email:

Snippet	Description
[#loginname]	The loginname of the imported member
[#password]	The password (NOT ENCRYPTED) of the imported member
[#email]	The Email address of the imported member
[#{property alias}]	This will replace the property alias with the imported value

9.2 Scheduler result settings

These settings will be used when an email is send to inform a user that a scheduled task is finished.

You can specify:

- The from email address
- The email subject
- The email body

In the email body you can use the following placeholders that will be replaced with real values when sending the email:

Snippet	Description
[#Taskname]	The name of the scheduled task
[#Duration]	The duration of the import process
[#RecordCount]	The amount of records in the datasource
[#RecordsAdded]	The amount of records added during the import process
[#RecordsUpdated]	The amount of records updated during the import process
[#RecordsSkippedCount]	The amount of records skipped during the import process
[#ErrorCount]	The amount of errors during the import process
[#Errors]	The error descriptions that occurred during the import process

9.3 Media settings

In this section you can specify which file extensions CMSImport needs to parse in case of media import mapped against a Rich Text editor. Only the selected file extensions will be picked up to import. You can also specify some domains url's that needs to be picked up. Url's starting with that domain will also be picked up. You still need to make sure files are located in the root of your Umbraco install.

Additional media settings for fields mapped against a Richtext property.**Allowed extensions for file import**

Specify file extensions for files that must be imported when mapped against a Richtext property, other file extensions will be ignored.

When mapped against a normal media picker all file extensions will be picked up.

[Add extension](#)

>>

<<

doc
docx
pdf
ppt
pptx
rar
xls
xlsx

Parse media for the following domain urls

CMSImport can only import files that are stored in the rootfolder of Umbraco by default. Sometimes a full url is specified in a field that is mapped against a Richtext property. This setting allows you to specify domain urls, so url's containing these domain urls will be converted to relative paths, example
http://www.cmsimport.com/images
/screenshot.png will be converted to /images
/screenshot.png when you specify the domain url
http://www.cmsimport.com/

[Add domain url](#)

>>

<<

http://elpadrinodkfileswordpre
http://wwwsoetemanoftwareen

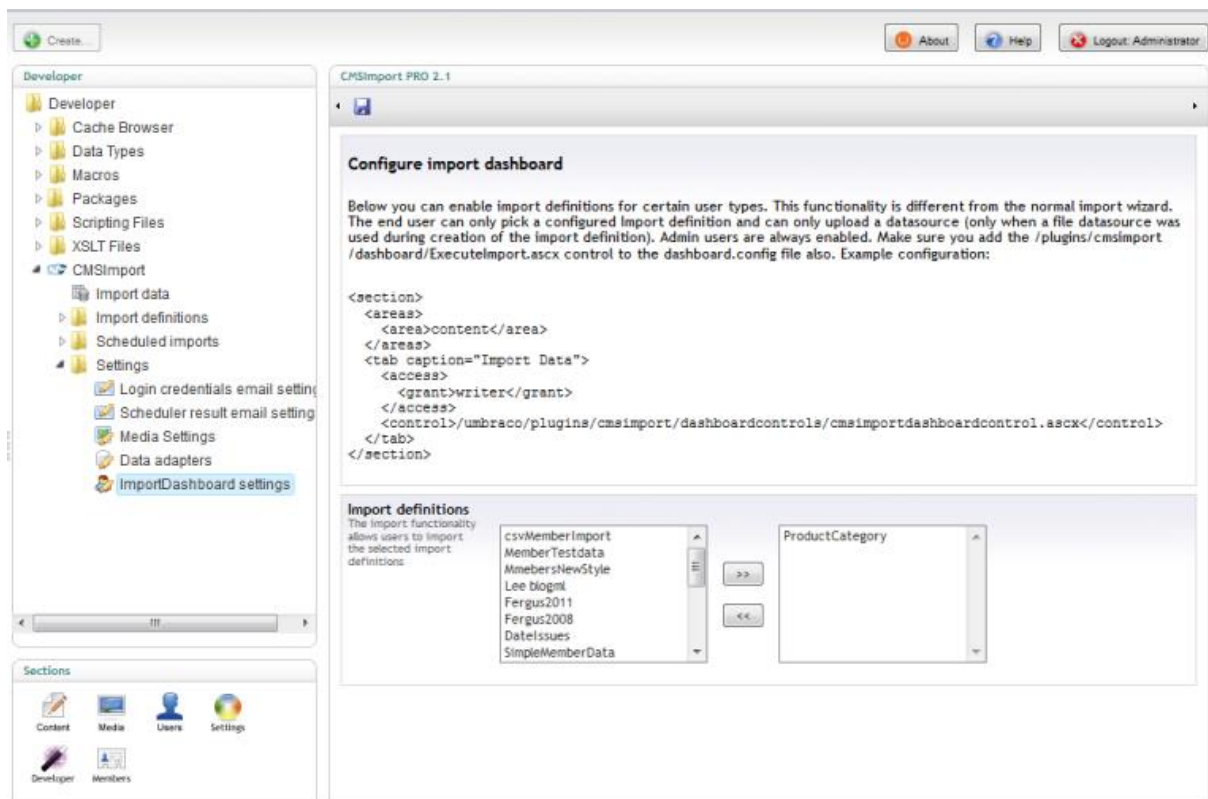
9.4 Configure Import Dashboard

In this section you can configure the Import Dashboard. You can specify which import definitions you want to allow to be used on the Dashboard. Only datasource that supports uploading a datasource file (such as Excel, Xml, Csv etc) are supported.

Since it's a dashboard and you can put this dashboard anywhere you like, only a sample xml snippet will be shown that you can copy and paste into the Dashboard.config file.

To only allow selected usergroups access to the Dashboard use the Access element

More information how to use the Dashboard.config file can be found at <http://our.umbraco.org/wiki/reference/files-and-folders/dashboardconfig>



10 Extend CMSImport

Although you don't need to, there are several ways to extend CMSImport. This chapter describes how you can make use of these extension points in your code. All samples can be downloaded from <http://www.soetemansoftware.nl/downloads/CMSImportVs2012Samples.zip>. To use the samples you need to install the AdventureWorks Lite database which can be downloaded from the CodePlex site <http://msftdbprodsamples.codeplex.com/> and use CMSImport PRO (although some samples might work in the free version)

10.1 Setting up Visual Studio

When you want to create an extension for CMSImport you can create a new Class Library and add a reference to the Assembly **CMSImport.Extensions**. When you need to use Umbraco functionality, or want to use CMSImport events also you can create references to the assemblies Umbraco, interfaces, cms and businesslogic.

10.2 What's in CMSImport.extensions

10.2.1 DataAdapter

A DataAdapter is used as a generic interface to talk to datasources. You can use a DataAdapter by using ImportDataAdapter as a base class. Checkout the samples for a full implementation of a DataAdapter.

10.2.2 FieldProvider

A FieldProvider⁴ could be used to convert original data in a datasource to a datatype specific format during import. CMSImport uses this already to make sure values like "true/false" will be converted to a Boolean value which could be mapped against a true/false datatype without causing an error and it uses FieldProviders to import media.

A FieldProvider is basically an implementation of the IFieldProvider interface that contains a parse method, decorated with a FieldProvider attribute which contains the DataAdapterId property and the Parse method. The DataAdapterID must match with the DataAdapterControl. This will ensure that the parse method gets called when data is imported for the property.

```
using CMSImport.Extensions.FieldProvider;
using umbraco.cms.businesslogic.property;

namespace CMSImportLibrary.Providers.FieldProviders.DefaultFieldAdapters
{
    /// <summary>
    /// Field provider to make sure the boolean values gets imported correctly
    /// </summary>
    [FieldProvider(PropertyEditorAlias = "38b352c1-e9f8-4fd8-9324-9a2eab06d97a", Priority = FieldProviderPrio.Medium)]
    [FieldProvider(PropertyEditorAlias = "Umbraco.TrueFalse", Priority = FieldProviderPrio.Medium)]
    public class BooleanFieldProvider : IFieldProvider
    {
        /// <summary>
        /// Parse the data to the correct format
        /// </summary>
        /// <param name="value">The value to parse</param>
        /// <param name="property">The property</param>
        /// <param name="fieldProviderOptions">The options</param>
        /// <returns></returns>
    }
}
```

⁴ FieldAdapters are replaced with FieldProviders since cmsimport 2.5

```

        public object Parse(object value, Property property, FieldProviderOptions fieldProvide
rOptions)
        {
            if (!(value.Equals("0") || value.Equals("1")))
            {
                bool boolValue = false;
                if (bool.TryParse(value.ToString(), out boolValue))
                {
                    return boolValue ? 1 : 0;
                }
            }
            return value;
        }
    }
}

```

This Parse method accepts the following parameters:

- Value. The original value which we can manipulate
- Property. Gives us information about the document type
- FieldProviderOptions Options you can use for importing data. Currently only userId

10.2.3 Events

There are several events that you can use for both content and member import. You can hook up events in the same way you hook up events for other Umbraco functionality by deriving from `ApplicationBase` and hook up the event in the constructor.

```

public class Sample :umbraco.BusinessLogic.ApplicationBase
{
    public Sample()
    {
        //Hook up event
        MemberImport.RecordImporting +=
            new MemberImport.RecordImportingEventHandler (MemberImport_RecordImporting);
    }

    void MemberImport_RecordImporting(object sender, RecordImportingEventArgs e)
    {
        //Logic here
    }
}

```

10.2.3.1 RecordImporting

The recordImporting event gets hit before a record got imported, the sender object contains the document or member being imported. `RecordImportingEventArgs` contains the following information:

- DataAdapter
- DataKeyName (Primary key column)
- DataKeyValue (Primary key value)
- Items (collection of items that contains the original data)

You can cancel the import for this record by setting the cancel property to true.

10.2.3.2 RecordImported

The RecordImported event gets hit after a record got imported, the sender object contains the imported document or member. `RecordImportedEventArgs` contains the following information:

- DataAdapter
- DataKeyName (Primary key column)
- DataKeyValue (Primary key value)
- ImportAction (ImportAsNew, update or skip record)
- Items (collection of items that contains the original data)

10.2.3.3 Importing

The Importing event gets hit before the import starts, ImportEventArgs contains the alias of the DataAdapter.

10.2.3.4 Imported

The Imported event gets hit after the import has finished, ImportEventArgs contains the alias of the DataAdapter.

10.2.3.5 BulkImporting

The BulkImporting event gets hit when a bulk content import is started. ImportEventArgs contains the following info:

- ImportId. The unique id (GUID) of the import definition.
- ImportName. The name of the saved import definition.

10.2.3.6 BulkImported

The BulkImported event gets hit when a bulk content import has ended. ImportEventArgs contains the following info:

- ImportId. The unique id (GUID) of the import definition.
- ImportName. The name of the saved import definition.
-

10.3 Samples

When you've downloaded and installed the samples you can use two extra document types in your Umbraco installation, ProductCategory and Product.

Before you start make sure the ProductColor datatype uses the integer Database datatype.

Edit datatype: ProductColor

Name: ProductColor

Render control: Dropdown list

Data Type GUID: a74ea9c9-8e18-4d2a-8cf6-73c6206c5da6

Settings

Database datatype: Integer

Add prevalue:

All samples will use the above mentioned document types. Only thing you need to do is to create a root folder and use that folder as import location for all the samples.

Create... Type to search...

About Help Logout: Administrator

Content

- Content
 - Runway Homepage
 - ProductImport
 - Recycle Bin

Site Content Properties

Site Name: ProductImport

Site Description: Just a placeholder

10.4 Create a DataAdapter for Product Categories

A DataAdapter could be used to communicate with a DataSource. Basically it lets you set some properties and returns data to CMSImport which can then be imported. In the Sample project we are using two DataAdapters

1. ProductCategoryAdapter, responsible for importing all product category data
2. ProductDataAdapter, responsible for importing all product data.

10.4.1 Create the class

To create a custom DataAdapter you need to create a class that derives from **CMSImport.Extensions.DataAdapter.ImportDataAdapter**

```
public class AdventureWorksLTProductCategoriesDataAdapter : ImportDataAdapter
{
    ....
}
```

10.4.2 Specify an alias

The alias you specify by overriding the Alias property will be shown in the pulldownlist where the user can pick a DataAdapter. This alias must be unique.

```
public override string Alias
{
    get { return "AdventureWorks ProductCategories"; }
}
```

10.4.3 Add UI

The ImportAdapter class itself derives from the Webcontrol Class, so we can directly add UI Controls to this class.

```
private Panel _contentPanel = new Panel();
private TextBox _datasourceTextBox = new TextBox();
private Literal _selectDataSourceLiteral = new Literal();

protected override void OnInit(EventArgs e)
{
    base.OnInit(e);
    _contentPanel.ID = "CategorycontentPanel";
    _contentPanel.CssClass = "propertypane";

    //Labels
    _selectDataSourceLiteral.ID = "SelectDataSourceLiteral";
    _selectDataSourceLiteral.Text = "Enter the connection string";

    //TextBox
    _datasourceTextBox.ID = "datasource";
    _datasourceTextBox.CssClass = "umbEditorTextField";
    _datasourceTextBox.Text = DataSource;

    //Create Layout
    _contentPanel.Controls.Add(_selectDataSourceLiteral);
    _contentPanel.Controls.Add(new LiteralControl("&nbsp;&nbsp;&nbsp;"));
    _contentPanel.Controls.Add(_datasourceTextBox);

    Controls.Add(_contentPanel);
}
```

10.4.4 Update DataAdapter values

When the user clicks next you need to update the DataAdapter properties, in this case DataSource and DataCommand.

```
public override void UpdateAdapter()
{
    //Uses the SqlConnection from the TextBox as the Datasource
    DataSource = _datasourceTextBox.Text;

    //We are creating a custom DataAdapter for a productCategories, don't bother
    //the user with sql
    DataCommand = "Select * from SalesLT.ProductCategory order by
    ParentProductCategoryID, Name";
}
```

10.4.5 Validate

When the user clicks next the validate method is called **after the DataAdapter values are updated**. Return true in this method when the DataSource is valid, false when not valid

```
public override bool Validate()
{
    bool result = true;
    try
```



```
{
    using (SqlConnection sqlConnection = new SqlConnection(DataSource))
    {
        sqlConnection.Open();
        SqlCommand sqlCommand = new SqlCommand(DataCommand,
            sqlConnection);
        sqlCommand.ExecuteReader();
    }
}
catch (Exception ex)
{
    //Cannot validate against the Datasource;
    result = false;
    //Set the ValidationErrorMessage with the correct error.
    ValidationErrorMessage = string.Format("Error validating the Data
source: {0}", ex.Message);
}
return result;
}
```

10.4.6 GetData

The GetData method gets called by CMSImport during the import process and it will return the data from DataSource as an IDataReader. In the example below you'll see the GetData Method that we are using in the AdventureWorks ProductCategory DataAdapter

```
public override IDataReader GetData()
{
    SqlConnection sqlConnection = new SqlConnection(DataSource);
    sqlConnection.Open();
    SqlCommand sqlCommand = new SqlCommand(DataCommand, sqlConnection);
    return sqlCommand.ExecuteReader();
}
```

CMSImport will dispose the Reader once it's finished with the import.

If you need to convert XML to IDataReader you can use the helper method XmlToDataReader which takes an xml file/url and xpath Expression. Currently this only works on elements attributes will be ignored.

10.4.7 End result

When we will build the dll and drop it into the bin folder of the Umbraco install we will see the "AdventureWorks ProductCategory" in the pulldown list of possible datasources and when we select the AdventureWorks ProductCategory DataAdapter we will see the following screen:



CMSImport PRO 1.1

Select Datasource

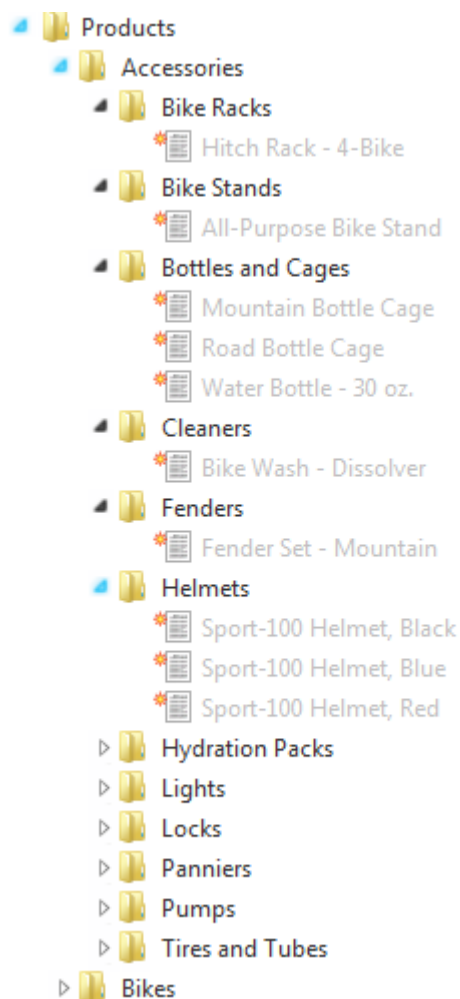
Enter the connection string

Previous Next

We can provide a Connection string and click next to continue the import process the normal way.

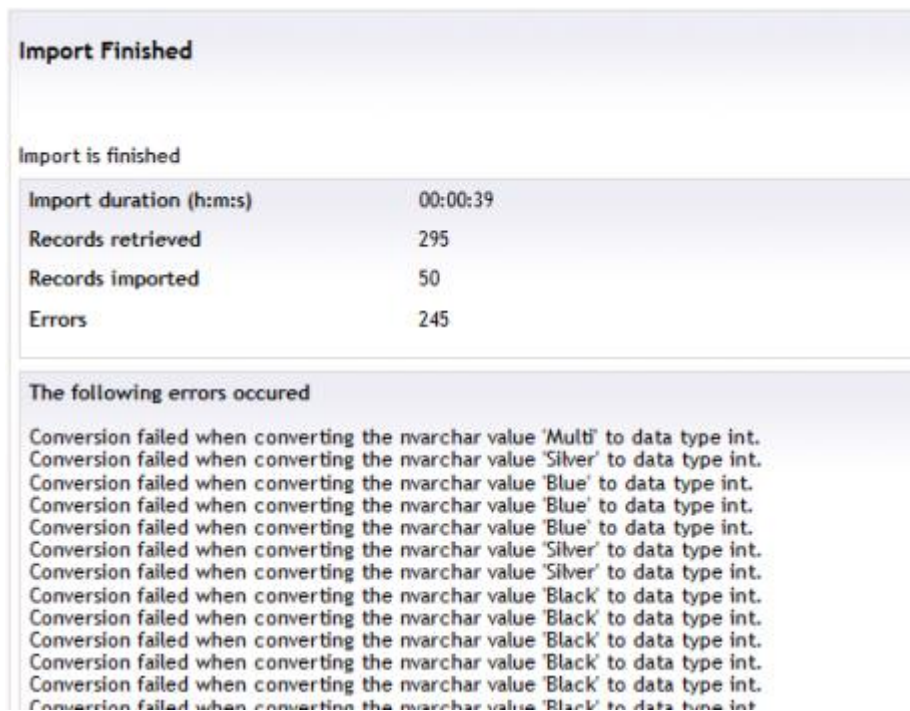
10.5 Create a DataAdapter for Products.

Since we will be importing both Categories and Products we want to have a Custom DataAdapter for products also. Do this by copying the ProductCategories DataAdapter and name it AdventureWorksProducts, rename the alias to “AdventureWorks Products” and replace the query in the UpdateAdapter method to “SELECT * FROM SalesLT.Product order by Name”



10.6 Using a FieldAdapter to map text values against a Dropdownlist DataType

As you might have seen our Product DocumentType contains a property ProductColor which is based on the ProductColor Dropdownlist. When we map the color column from the AdventureWorks Products table directly against the ProductColor document property the import will fail because it can't convert text to integer values.



This can be solved using a FieldProvider

For our implementation we want to retrieve the Id of the prevalue and return that id instead of the text value. Additionally it would also be nice if we can create the prevalue when it doesn't exist so we don't need to create the prevalues first.

Below you find the FieldProvider. We tell the import module to use our FieldProvider by setting the PropertyEditorAlias to the DataTypeId (Guid or alias in Umbraco V7) of the Dropdown Datatype. The parse method first checks if the datatype is the ProductColor datatype and when it is the ProductColor datatype it will get (or create) the integer id of the prevalue. And we set the priority to high so we know our FieldProvider will be hit before any other Field providers for this Data type

```

/// <summary>
/// Converts the text value of the datasource to the prevalue Id of the ProductColor datatype.
/// </summary>
[FieldProvider(PropertyEditorAlias = "a74ea9c9-8e18-4d2a-8cf6-73c6206c5da6", Priority = FieldProviderPrio.High)]
public class AutoAddProductColorToList : IFieldProvider
{
    public object Parse(object value, Property property, FieldProviderOptions fieldProviderOptions)
    {
        if (property.PropertyType.DataTypeDefinition.Text == "ProductColor")
        {
            var dt = property.PropertyType.DataTypeDefinition;
            value = GetOrCreatePrevalue(dt.Id, value.ToString());
        }
        return value;
    }
}

/// <summary>

```

```

    /// Search in the prevalues list for the database Value, if nothing found
    /// </summary>
    /// <returns>return true when found</returns>
    private int GetOrCreatePrevalue(int dataTypeDefinitionID, string value)
    {
        var preValues = PreValues.GetPreValues(dataTypeDefinitionID);
        foreach (var prevalue in preValues.Cast<DictionaryEntry>().Select(entry => entry.Value as PreValue).Where(prevalue => prevalue.Value == value))
        {
            return prevalue.Id;
        }
        // Nothing found create new prevalue and return the new database id
        return PreValue.MakeNew(dataTypeDefinitionID, value).Id;
    }
}

```

Once the import has finished using this FieldProvider you'll see that all options are added to the ProductColor datatype.

Edit datatype: ProductColor

Name: ProductColor

Render control: Dropdown list

Data Type GUID: a74ea9c9-8e18-4d2a-8cf6-73c6206c5da6

Settings

Database datatype: Integer

Text	Value	
Multi	286	Delete
Silver	287	Delete
Blue	288	Delete
Black	289	Delete
Silver/Black	290	Delete
Red	291	Delete
Yellow	292	Delete
White	293	Delete
Grey	294	Delete

Add prevalue:

And you'll see that these Prevalues are mapped correctly against the document

Product Properties

ProductName: Road-150 Red, 52

Product Number: BK-R93R-52

ProductPrice: 3578.2700

Product color: Red

11 Manual Installation/Configuration

If you renamed the Umbraco folder or for some reason can't give the installer sufficient rights to create tables in the database, or the sufficient rights to modify the following folders /bin, /config, /umbraco you need to install CMSImport PRO Manually.

11.1 Manual installation of files

- Open the folder in the zip file.
- Copy all (Except for CMSImport.Events, CMSImport.LegacyEvents and HtmlAgilityPack) .dll files to the /bin folder of your Umbraco installation.
- Copy HtmlAgilityPack.dll to the bin/legacy folder of your Umbraco installation
- In case of Umbraco V7 and Higher
 - o Copy CMSImport.Events.dll to the bin folder
- In case of Umbraco v6 and lower
 - o Copy CMSImport.LegacyEvents.dll to the bin folder
- Copy your license file to the /bin folder of your Umbraco installation.
- Open the /umbraco/plugins/ folder.
- Create the folder **CMSImport**.
- Create the following folders in the **/umbraco/plugins/CMSImport** folder.
 - o Config
 - o Handlers
 - o Pages
 - o Usercontrols
- In the **/umbraco/plugins/CMSImport /Usercontrols** folder create the folder **ImportSteps**
- In the **/umbraco/plugins/CMSImport /Usercontrols/ImportSteps** folder create the folder **ContentImport**
- In the **/umbraco/plugins/CMSImport /Usercontrols/ImportSteps** folder create the folder **MemberImport**
- Copy all .config files from the zip file to the folder **/umbraco/plugins/CMSImport/Config/**
- Copy all .ashx files from the zip file to the folder **/umbraco/plugins/CMSImport/Handlers/**
- Copy all .aspx files from the zip file to the folder **/umbraco/plugins/CMSImport/Pages/**
- Copy the files **CMSImport.ascx** and **CMSImportInstaller.ascx** from the zip file to the folder **/umbraco/plugins/CMSImport/Usercontrols/**
- Copy the files **ConfirmSelectedOptions.ascx**, **Importing.ascx**, **Intro.ascx**, **MapProperties.ascx**, **SelectDataSource.ascx**, **SelectDataSourceType.ascx** from the zip file to the folder **/umbraco/plugins/CMSImport/Usercontrols/ImportSteps/**
- Copy **SelectUmbracoTypeAndLocation.ascx** from the zip file to the folder **/umbraco/plugins/CMSImport/Usercontrols/ImportSteps/ContentImport**
- Copy **SelectMemberType.ascx** from the zip file to the folder **/umbraco/plugins/CMSImport/Usercontrols/ImportSteps/MemberImport**
- Copy all the png files from the zip file to the folder **/umbraco/Images/**

11.2 Manual configuration of Database

Run the following script to install the database tables

```
CREATE TABLE [CMSImportState](
    [Id] [int] IDENTITY(1,1) NOT NULL,
    [UniqueIdentifier] [uniqueidentifier] NOT NULL,
    [Name] [nvarchar](250) NOT NULL,
    [ImportType] [nvarchar](250) NOT NULL,
    [ImportState] [nvarchar](max) NOT NULL,
    CONSTRAINT [PK_CMSImportState] PRIMARY KEY CLUSTERED
(
    [Id] ASC
```

```
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS
= ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
```

```
CREATE TABLE [CMSImportScheduledTask](
    [ScheduleId] [int] IDENTITY(1,1) NOT NULL,
    [ScheduleGUID] [uniqueidentifier] NOT NULL,
    [ImportStateGUID] [uniqueidentifier] NOT NULL,
    [ScheduledTaskName] [nvarchar](50) NOT NULL,
    [NotifyEmailAddress] [nvarchar](250) NOT NULL,
    [ExecuteEvery] [nvarchar](50) NOT NULL,
    [ExecuteDays] [nvarchar](50) NOT NULL,
    [ExecuteHour] [int] NOT NULL,
    [ExecuteMinute] [int] NOT NULL,
    CONSTRAINT [PK_CMSImportScheduledTask] PRIMARY KEY CLUSTERED
(
    [ScheduleId] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS
= ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
```

```
CREATE TABLE [CMSImportRelation](
    [Id] [int] IDENTITY(1,1) NOT NULL,
    [UmbracoID] [int] NOT NULL,
    [UmbracoParentId] [int] NOT NULL,
    [DataSourceKey] [nvarchar](250) NOT NULL,
    CONSTRAINT [PK_CMSImportRelation] PRIMARY KEY CLUSTERED
(
    [Id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS
= ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
```

```
CREATE TABLE [CMSImportMediaRelation](
    [Id] [int] IDENTITY(1,1) NOT NULL,
    [UmbracoMediaId] [int] NOT NULL,
    [SourceUrl] [nvarchar](500) NOT NULL,
    CONSTRAINT [PK_CMSImportMediaRelation] PRIMARY KEY CLUSTERED
(
    [Id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS
= ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
```

```
CREATE TABLE [dbo].[CMSImportScheduledItems](
    [ScheduledItemId] [int] IDENTITY(1,1) NOT NULL,
    [ScheduleIdTaskId] [int] NOT NULL,
    [ScheduledOn] [smalldatetime] NOT NULL,
    [ExecutedOn] [smalldatetime] NULL,
    CONSTRAINT [PK_CMSImportScheduledItems] PRIMARY KEY CLUSTERED
(
    [ScheduledItemId] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS
= ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
```

```
CREATE TABLE CMSImportCustomRelation(
    CustomRelationId int IDENTITY(1,1) NOT NULL,
    UmbracoId int NOT NULL,
    Alias nvarchar(250) NOT NULL,
    DataSourceKey nvarchar(250) NOT NULL,
    RelatedId nvarchar(250) NOT NULL,
    CONSTRAINT PK_CMSImportCustomRelation PRIMARY KEY CLUSTERED
(
    CustomRelationId ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS
= ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
```

```
ALTER TABLE dbo.CMSImportState ADD
    Recursive bit NULL,
    Parent uniqueidentifier NULL
```

```
ALTER TABLE dbo.CMSImportScheduledItems ADD
    InProgress bit NULL
```

```
ALTER TABLE dbo.CMSImportScheduledTask ADD
    ImportAsUser int NULL
```

```
INSERT [umbracoAppTree] ([treeSilent], [treeInitialize], [treeSortOrder], [appAlias],
[treeAlias], [treeTitle], [treeIconClosed], [treeIconOpen], [treeHandlerAssembly],
[treeHandlerType], [action]) VALUES (0, 0, 16, N'developer', N'CMSImportSettings',
N'Settings', N'folder.gif', N'folder_o.gif', N'CMSImportLibrary',
N'ApplicationTree.ImportSettingsTree', N'')
INSERT [umbracoAppTree] ([treeSilent], [treeInitialize], [treeSortOrder], [appAlias],
[treeAlias], [treeTitle], [treeIconClosed], [treeIconOpen], [treeHandlerAssembly],
[treeHandlerType], [action]) VALUES (0, 1, 10, N'developer', N'CMSImportWizard', N'CMSImport',
N'folder.gif', N'folder_o.gif', N'CMSImportLibrary', N'ApplicationTree.CMSImportTree', N'')
INSERT [umbracoAppTree] ([treeSilent], [treeInitialize], [treeSortOrder], [appAlias],
[treeAlias], [treeTitle], [treeIconClosed], [treeIconOpen], [treeHandlerAssembly],
[treeHandlerType], [action]) VALUES (0, 0, 11, N'developer', N'CMSImportWizardSaveImportTree',
N'Saved Imports', N'folder_o.gif', N'folder_o.gif', N'CMSImportLibrary',
N'ApplicationTree.SavedImportTree', N'')
INSERT [umbracoAppTree] ([treeSilent], [treeInitialize], [treeSortOrder], [appAlias],
[treeAlias], [treeTitle], [treeIconClosed], [treeIconOpen], [treeHandlerAssembly],
[treeHandlerType], [action]) VALUES (0, 0, 15, N'developer',
N'CMSImportWizardScheduleImportTree', N'Scheduled Imports', N'folder.gif', N'folder_o.gif',
N'CMSImportLibrary', N'ApplicationTree.ScheduledTaskTree', N'')
```

11.3 Manual configuration of the language files

When the install failed due insufficient rights of the installer. It's better to assign sufficient rights to the /umbraco/config/lang/ folder (and all the xml files in that folder). Then start CMSImport PRO again. CMSImport Pro will determine that the language file is not updated and will automatically update the language files again.

If for some reason this isn't the case you can modify the files manually. To do this open the necessary language files. For example if you use the English language in Umbraco open en.xml, if you use the Dutch language in Umbraco open nl.xml etc.

Replace

```
<area alias="actions">
```

With

```
<area alias="actions">
<key alias="DeleteCMSImportAction">Delete</key>
<key alias="ExecuteCMSImportWizardAction">Execute</key>
<key alias="ScheduleCMSImportWizardAction">Schedule</key>
<key alias="StartCMSImportWizardAction">Import Data</key>
<key alias="StartCMSImportChildDefinitionAction">Create child definition</key>
<key alias="LastRunInfoAction">Scheduled task log</key>
```

11.4 Manual configuration of the scheduled task handler

Open the /config/umbracoSettings.config file.

Replace

```
</scheduledTasks>
```

With

```
<task log="true" alias="CMSImportScheduler" interval="60" url="[url to  
mysite/umbraco]/plugins/CMSImport/Handlers/ScheduleTaskHandler.ashx" />  
</scheduledTasks>
```

And replace [url to mysite/umbraco/] with the url of your site including the umbraco path. For example: <http://cmsimport.com/umbraco//plugins/CMSImport/Handlers/ScheduleTaskHandler.ashx>

When the scheduled task handler is configured correctly and you browse to that url using your favorite browser it should report "CMSImport scheduler"

11.5 Manual configuration of the node actions

Open the /umbraco/config/create/ui.config file. And add the following snippet to that file

```
<nodeType alias="cmsimport-savedItem">  
  <header>CMSImport</header>  
  <tasks>  
    <delete assembly="CMSImportLibrary" type="Umbraco.Tasks.DeleteTask" />  
  </tasks>  
</nodeType>
```


12 Troubleshooting

12.1 I don't see the CMSImport package in my developer section

Make sure you have sufficient rights to install the package. See chapter 2, otherwise perform a manual installation see chapter 9.

12.2 I don't see my column names when importing from a CSV file.

Make sure that your csv file contains column names

12.3 I get weird column names when importing from a CSV file.

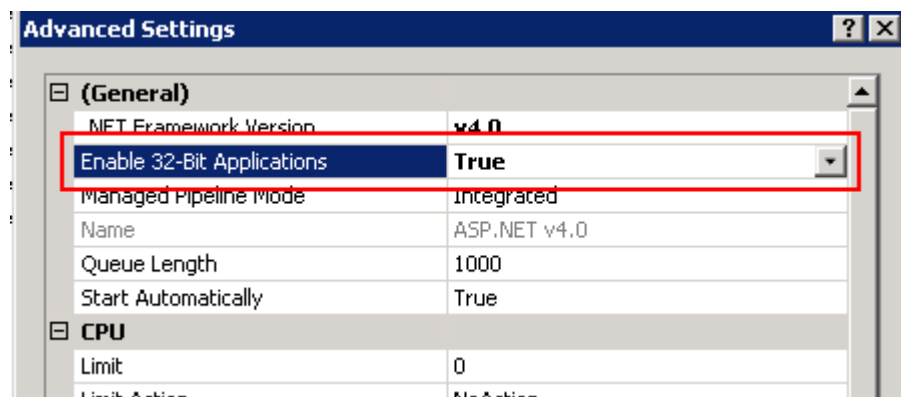
Make sure that you set the correct csv options to display the CSV file. For example, choose ; as the delimiter and " as a string indicator.

12.4 I get an error not supported error when using access files

Make sure you've installed the **Microsoft Data Connectivity Components** installed. You can download them via

<http://www.microsoft.com/downloads/en/confirmation.aspx?familyId=7554f536-8c28-4598-9b72-ef94e038c891&displayLang=en%22>

Make sure to enable 32 bits applications on the application pool running the website .



12.5 Email is not send when importing a member

Make sure you have configured your smtp server in your web.config file. Also check the UmbracoLog table for SMTP errors.

12.6 I get an Invalid License exception.

Make sure your license file exists in the bin folder and you've bought the correct license. Contact support@soetemansoftware.nl for help.